

20011012.qrp v02_n340.qrl.20011012

Date: Fri, 12 Oct 2001 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2340

QRP-L Digest 2340

Topics covered in this issue include:

- 1) [108520] The 4:1 voltage balun
by "Karl F. Larsen" <k5di@zianet.com>
- 2) [108521] RE: WinSpice 3 help needed
by "Henry Knoll" <knoll003@tc.umn.edu>
- 3) [108522] ten tec reflector location
by Michael Goins <mgoins@usa.net>
- 4) [108523] Re: The 4:1 voltage balun
by Rick McKee <kc8aon@juno.com>
- 5) [108524] Mine Field Study
by "Karl F. Larsen" <k5di@zianet.com>
- 6) [108525] Re: High Tech
by Richard Clem <clem.law@usa.net>
- 7) [108526] Re: Tokyo Hi-power
by Bruce Muscolino <w6toy@erols.com>
- 8) [108527] Question: Scope Pictures with Digital Camera
by "Phinizy, William" <wphinizy@filenet.com>
- 9) [108528] Re: Tokyo Hi-power
by Ron KU7Y <mswmod@bigplanet.com>
- 10) [108529] FOX Roster Coming SOON :-)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 11) [108530] Radio and the Current Troubles
by Kenneth Hoglund <hoglund@wfu.edu>
- 12) [108531] Re: Question: Scope Pictures with Digital Camera
by Bruce Muscolino <w6toy@erols.com>
- 13) [108532] Re: Radio and the Current Troubles
by Bruce Muscolino <w6toy@erols.com>
- 14) [108533] External kenwood VFO operation
by Mike Maiorana <mikemo@attglobal.net>
- 15) [108534] Re: Question: Scope Pictures with Digital Camera
by "Brice D. Hornback" <bdh@cyberbound.net>
- 16) [108535] Middle East Radio resource...
by "ss lyon" <sslyon@megalink.net>
- 17) [108536] Re: The 4:1 voltage balun
by "George, W5YR" <w5yr@att.net>
- 18) [108537] For Sale
by Dan & Teena Case <dtcase@pcpartner.net>
- 19) [108538] Re: Question: Scope Pictures with Digital Camera

- by "Mike Yetsko" <myetsko@insydesw.com>
- 20) [108539] Re: More FYI and SWL . . . Re: RTTY on 3.885 MC
by William R Colbert <w5xe@juno.com>
- 21) [108540] Re: HB: General Coverage SW Rx
by "James R. Duffey" <jamesd1@flash.net>
- 22) [108541] Re: Question: Scope Pictures with Digital Camera
by "Dave Benham" <dodgeboy@mindspring.com>
- 23) [108542] Middle East Radio resource...
by "Brad Hernlem" <alihernlem@hotmail.com>
- 24) [108543] RE: BALUN Questions
by MertNellis@aol.com
- 25) [108544] Re: Question: Scope Pictures with Digital Camera
by "ZOOM" <kandrparker@sympatico.ca>
- 26) [108545] Mine Field Study
by Garie Halstead <k8kfj@ntelos.net>
- 27) [108546] Re: High Tech
by "Trevor Jacobs" <fxtech@earthlink.net>
- 28) [108547] Lake Placid Hamfest
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 29) [108548] 40 Meters seem long tonight?
by "Trevor Jacobs" <fxtech@earthlink.net>
- 30) [108549] Winter FOX Roster/Sked
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 31) [108550] RE: Question: Scope Pictures with Digital Camera
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 32) [108551] Re: High Tech
by "DTX" <dtx@wood.tzo.com>
- 33) [108552] BayGen Radios
by "John Stevens" <john.w.stevens@home.com>
- 34) [108553] Not so... Re: High Tech
by "Paul R. Valko" <prvalko@oakland.edu>
- 35) [108554] Re: More FYI and SWL . . . Re: RTTY on 3.885 MC
by John R Kirby <n3aaz-qrp@juno.com>
- 36) [108555] Re: Ed Manual, QRPacificon Speaker
by K5BDZ@aol.com
- 37) [108556] Re: Not so... Re: High Tech
by "Mike Yetsko" <myetsko@insydesw.com>
- 38) [108557] Re: Not so... Re: High Tech
by George Franklin <w0av@juno.com>
- 39) [108558] Re: MH101: Activity - NP0 caps
by "Walter Costa" <walt3120@hotmail.com>
- 40) [108559] Re: BayGen Radios
by "Randy Randall" <RANDALLR@Healthall.com>
- 41) [108560] MH101 - mailing list?
by John Wagner <john@wagner-usa.net>
- 42) [108561] Fort Wayne Hamfest
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
- 43) [108562] Clenched FISTS and non-FISTS unite!

by "N7SG K7FD" <k7fd@hotmail.com>

44) [108563] Re: More FYI and SWL . . . Re: RTTY on 3.885 MC
by delphinus@brightok.net

45) [108564] High peak in Colorado - Pictures
by Gary Slagel <gdslagel@yahoo.com>

46) [108565] Re: Question: Scope Pictures with Digital Camera
by Russ Hines <wb8zcc@one.net>

47) [108566] Re: Question: Scope Pictures with Digital Camera
by "Phinizy, William" <wphinizy@filenet.com>

48) [108567] Re: Question: Scope Pictures with Digital Camera
by "Mike Yetsko" <myetsko@insydesw.com>

49) [108568] Tell Me I should not buy an FT-817
by Fairbairn Bob-C12509 <Bob.Fairbairn@motorola.com>

50) [108569] RE: Tell Me I should not buy an FT-817
by Mike Gipe <mgipe@reliablemeters.com>

51) [108570] Re: Tell Me I should not buy an FT-817
by "Mike Yetsko" <myetsko@insydesw.com>

52) [108571] Re: Tell Me I should not buy an FT-817
by Joe Reed <joe@n9jr.dyndns.org>

53) [108572] FW: Trying to email Embedded Research
by "Tom Scott" <tomrscott@sterlink.net>

54) [108573] Re: Tell Me I should not buy an FT-817
by "Mike WA8BXN" <hubby2k@hotmail.com>

55) [108574] Re: Tell Me I should not buy an FT-817
by "Bill Allen" <wallen@our-town.com>

56) [108575] Re: Tell Me I should not buy an FT-817
by Bruce Muscolino <w6toy@erols.com>

57) [108576] Re: Winter FOX Roster/Sked
by Garie Halstead <k8kfj@ntelos.net>

58) [108577] Re: Question: Scope Pictures with Digital Camera
by "Mark J. Dulcey" <mark@buttery.org>

59) [108578] ?Low power and/or light weight computer for PSK etc?
by WE7X@aol.com

60) [108579] Re: Question: Scope Pictures with Digital Camera
by "Mark J. Dulcey" <mark@buttery.org>

61) [108580] RE: CW Abbreviations
by "Tom Scott" <tomrscott@sterlink.net>

62) [108581] Re: Tell Me I should not buy an FT-817
by "Randy Randall" <RANDALLR@Healthall.com>

63) [108582] High peak in Indiana - Pictures
by Dave Gingrich K9DC <gingrich2@dcg.org>

64) [108583] Re: High Tech
by Jim Glover <psykey@okcforum.org>

65) [108584] Russian Call Sign Look Up
by "Mugleston, Brad" <brad.mugleston@gwl.com>

66) [108585] Re: RE-SEND Winter FOX Roster/Sked
by Bruce Rattray <rattray@gpfn.sk.ca>

67) [108586] rx if for tx?

- by "Tracy Markham" <tracy@bytemark.com>
- 68) [108587] Re: ?Low power and/or light weight computer for PSK etc?
by "Roof Joe" <jroof@mindspring.com>
- 69) [108588] Re: ?Low power and/or light weight computer for PSK etc?
by "Leon Heller" <leon_heller@hotmail.com>
- 70) [108589] Re: Tell Me I should not buy an FT-817
by "N7SG K7FD" <k7fd@hotmail.com>
- 71) [108590] Re: rx if for tx?
by "DONALD G. DORN" <DDORN@CWIS.NET>
- 72) [108591] FS: DT-140 TQ
by "John Dorson" <jdorson@Worldshare.net>
- 73) [108592] MH101 - New List for project
by "Brian" <brian@iquest.net>
- 74) [108593] Re: High Tech
by Dave Sjolin <sjolin@swbell.net>
- 75) [108594] Re: Tell Me I should not buy an FT-817
by "Trevor Jacobs" <fxtech@earthlink.net>
- 76) [108595] Where to find the CUrtis 8044B
by Hugo <hugo@optonline.net>
- 77) [108596] Re: ?Low power and/or light weight computer for PSK etc?
by cherry@getnet.net
- 78) [108597] Re: High Tech
by Jim Glover <psykey@okcforum.org>
- 79) [108598] Re: Where to find the CUrtis 8044B
by "George, W5YR" <w5yr@att.net>
- 80) [108599] Re: Tell Me I should not buy an FT-817
by "Karl F. Larsen" <k5di@zianet.com>
- 81) [108600] Re: High peak in Colorado - Pictures
by Steve Yates - AA5TB <aa5tb@arrl.net>
- 82) [108601] Re: ?Low power and/or light weight computer for PSK etc?
by "ZOOM" <kandrparker@sympatico.ca>
- 83) [108602] Wherabouts of J. Martin Systems?
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 84) [108603] IARU Administrative Council Calls for End to Morse Requirement
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 85) [108604] Re: Tell Me I should not buy an FT-817
by Bill ROWLETT <kc4atu@yahoo.com>
- 86) [108605] Re: High peak in Indiana - Pictures
by "Jim Stamper" <jstamper@shentel.net>
- 87) [108606] Re: Question: Scope Pictures with Digital Camera
by Bruce Muscolino <w6toy@erols.com>
- 88) [108607] Re: Antenna Stacking Question
by Bill Coleman <aa4lr@arrl.net>
- 89) [108608] Re: A different low power....and a light-beam communicator
by "Howard Kraus" <K2UD@adelphia.net>
- 90) [108609] RE: Winter FOX Roster/Sked
by "N8IE" <n8ie@woh.rr.com>
- 91) [108610] misc items for sale

by "NZ8J" <timcook@erinet.com>
92) [108611] Re: High peak in Indiana - Pictures
by "Brice D. Hornback" <bdh@cyberbound.net>
93) [108612] WTB: Icom IC-765 Service Manual
by "NZ8J" <timcook@erinet.com>

Date: Thu, 11 Oct 2001 17:45:53 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [108520] The 4:1 voltage balun
Message-ID: <Pine.LNX.4.33.0110111739140.1638-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There seems to be some miss understanding of what I found with a 1:1 current balun. I found that MY antenna cannot be tuned on several ham bands if the balun is a 1:1 type. Period. End of discussion.

When I use a voltage 4:1 balun that is supplied by MFJ with my tuner it allows me to achieve a 1:1 match to my radio's 50 ohm unbalanced input/output on any frequency from 3.5 - 30 MHz. No loss considerations here. And I have no idea how well balanced my feedline is.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Thu, 11 Oct 2001 18:54:06
From: "Henry Knoll" <knoll1003@tc.umn.edu>
To: qrp-l@Lehigh.EDU
Subject: [108521] RE: WinSpice 3 help needed
Message-ID: <iss.5bb9.3bc630e0.98d85.1@amethyst.tc.umn.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It wouldn't bore me to death to learn more about WinSpice3. I would appreciate anyone who can give help to copy me even if they don't put it on the list. 73 and thanks,

Henry WA0G0Z

>Date: Wed, 10 Oct 2001 17:47:18 -0700
>From: "Donald Philbin" <donaldphilbin@hotmail.com>
>To: qrp-l@Lehigh.EDU
>Cc: donaldphilbin@hotmail.com
>Subject: [108455] WinSpice 3 help needed

>Dear masters of the ether,

>I am beginning to experiment with WinSpice3 and I am in need of some very
>basic help. Please respond directly to me so I don't bore the list to
>death
>with this.

>Thanks,

>D.K. Philbin KD6TK
>donaldphilbin@hotmail.com

Date: 11 Oct 2001 23:58:54 America/Fort_Wayne
From: Michael Goins <mgoins@usa.net>
To: qrp-l@lehigh.edu
Subject: [108522] ten tec reflector location
Message-ID: <20011011235855.10102.qmail@cpdv202.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Want to know more about the new ten Tec qrp rig and can't seem to find the
address of the ten tec reflector. Anyone know it? Thanks.
E-mail me off list, please. =

mike
wb5yjx

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Thu, 11 Oct 2001 19:57:11 -0400
From: Rick McKee <kc8aon@juno.com>
To: k5di@zianet.com, qrp-1@Lehigh.EDU
Subject: [108523] Re: The 4:1 voltage balun
Message-ID: <20011011.195714.12350.1.kc8aon@juno.com>

TRY PUTTING THE 1:1 BALUN BETWEEN THE TUNER AND THE RADIO, AND THE
BALANCED LINE DIRECTLY TO THE "UNBALANCED" OUTPUT OF THE TUNER - YEAH,
YOU READ THAT RIGHT ! CONNECT THE BALANCED LINE TO ONE OF THE COAX
FITTINGS - ONE SIDE TO THE CENTER PIN AND THE OTHER TO GROUND, OR ONE
SIDE TO THE RANDOM WIRE TERMINAL AND THE OTHER TO GROUND. WITH THE 1:1
BALUN ON THE INPUT OF THE TUNER, IT WILL ALWAYS SEE A LOW IMPEDANCE LIKE
IT WAS DESIGNED FOR, AND LET THE TUNER TAKE CARE OF THE MISMATCH LIKE IT
WAS DESIGNED FOR !
WHAT YOU HAVE HERE IS A QUICK "CHEAP AND DIRTY" BALANCED LINE TUNER -
WORKS GREAT !

72.....KC8AON
QRP - HOW LOW CAN YA GO ?

On Thu, 11 Oct 2001 17:45:53 -0600 (MDT) "Karl F. Larsen"
<k5di@zianet.com> writes:

>
> There seems to be some miss understanding of what I found with
>a
>1:1 current balun. I found that MY antenna cannot be tuned on several
>ham
>bands if the balun is a 1:1 type. Period. End of discussion.
>
> When I use a voltage 4:1 balun that is supplied by MFJ with my
>tuner it allows me to achieve a 1:1 match to my radio's 50 ohm
>unbalanced
>input/output on any frequency from 3.5 - 30 MHz. No loss
>considerations
>here. And I have no idea how well balanced my feedline is.
>
>--
>Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.qsl.net/k5di/>
>

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Date: Thu, 11 Oct 2001 17:59:12 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [108524] Mine Field Study
Message-ID: <Pine.LNX.4.33.0110111754050.1656-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The Cub Foxes are going to operate on a frequency between 7.1 and 7.15 MHz. It's well known that some 250,000 watt output broadcast stations use frequencies in this part of the band.

Please, between 0200 and 0400Z which is 10pm to midnight on the east coast look for clear frequencies. These are where 4 KHz has no splatter from broadcast stations. Check from time to time and please send me what you find. I will be doing the same thing here.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: 11 Oct 2001 19:26:02 CDT
From: Richard Clem <clem.law@usa.net>
To: qrp-1@lehigh.edu, jim-c@nc.rr.com
Subject: [108525] Re: High Tech
Message-ID: <20011012002602.2786.qmail@cpdv201.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

I think someone else pointed out that some of the (presumably non-QRP) broadcasts are from aircraft.

I found the following news item, but I would be interesting in learning more about it:

http://dailynews.yahoo.com/h/ap/20011008/us/attacks_leaflets_2.html

Another news article (that I can't find now) says that the aircraft are capable for transmitting on "AM, FM, TV, and military channels".

73,
Rick W0IS

W4BQP wrote:

One of the news programs last night said that the radio was capable of receiving only one station. At the time I was distracted by doing some trouble-shooting on my new KAT2 antenna tuner, so I didn't catch which station it was tuned to. My guess is that it is a Voice of America equivalent in the Afghan language.

Jim
W4BQP

Date: Thu, 11 Oct 2001 21:04:59 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [108526] Re: Tokyo Hi-power
Message-ID: <3BC641BB.B94669F4@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,

There is no easy answer because they are two different radios intended for two different uses! Correct me if I am wrong, but the average QRP radio is a 3 to 5 watt single band radio that runs CW only. The average QRO radio is a 100 watt all band radio that includes both CW and SSB capability. The transmitters are different. The receivers are also different. Do not misconstrue what I have said. There is the K2, a 10 watt multi-band CW only radio that can be upgraded by spending more money! I am not knocking it! I am making a simple statement of fact. The receiver in My TS830/850/940 will run rings around the average QRP receiver. I know, I have designed QRP receivers. Very nice, but not an issue when compared with a big radio.

The answer is to use what gives you the most pleasure, while recognizing that some people have different needs and desires than you!

73

Date: Thu, 11 Oct 2001 18:11:41 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [108527] Question: Scope Pictures with Digital Camera
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B774FB@hq-expo2.filenet.com>

Sorry for the bandwidth, but I am having a beastly time getting scope pictures using my digital camera. It's a Fuji -- nothing extraordinary. The flash seems to wash out the trace (Tek 2445 or Tek T935) and pictures done without the flash are too dark and/or jittery to be useful. Certainly nothing like the glamorous shots I have seen on some of the web sites and URLs from guys in the group..

..all sharing of trade secrets gratefully accepted and my sincere gratitude in advance.

Bill, K6WHP

Date: Thu, 11 Oct 2001 19:10:49 -0600
From: Ron KU7Y <mswmod@bigplanet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108528] Re: Tokyo Hi-power
Message-ID: <002d01c152bb\$6f8f2a60\$4556bad0@oemcomputer>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7bit

Hi All,

> There is no stigma attached to owning a QRO radio, or even to using one!
Both QRP
> and QRO can coexist comfortably, maybe even on the same frequency!

VERY, VERY true.

You can also throw in Low Power as most call 100 watts to complete the picture.

There is no one "best" way or "only way it should be" with power any more than there is any "best" way or "only way it should be" with regard to mode or type of equipment and etc.

Store bought, kit, scratch built, own design or whatever, it's all the same when it's on the air.

We QRPers need to be careful that we don't lean too far towards the attitude that we are somehow better because we use less power! Add into the picture the fact that this group has a soldering iron plugged in a LOT and we might use as much raw power as anyone with a "big" rig. :-) And that doesn't include all the factories we keep busy making all those batteries with all those nasty chemicals and etc..... Egad, I think I'll go hide!

And you still need the best antenna you can have. :-)

OK, back in my hole.....

73,

Ron, KU7Y
ku7y@qsl.net
Boise, ID

Date: Thu, 11 Oct 2001 21:24:33 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [108529] FOX Roster Coming SOON :-)
Message-ID: <200110112124_MC3-E301-48DD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Am almost ready to publish the roster of FOXes for the regular FOX Hunt this Winter. Boy oh boy, there was a terrific response to my call for FO=X volunteers. So it is taking some time to sort through. Sure hope I can use every one who volunteered, but some may go on the Alternates list. =

Anyway, I hope to have the roster and schedule published sometime later tonight. Gotta hear from one guy first, and then we should be all set. =

73,
--Doc/K0EVZ

Date: Thu, 11 Oct 2001 21:28:45 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108530] Radio and the Current Troubles
Message-ID: <3BC6474D.156932AF@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang--

Since there are still some questions, the place for answers on the communications capabilities of the current Afghanistan operations is <http://www.clandestineradio.com>

Also some brief sound files of the Taliban "Radio Shari'a". Of course, last I saw on CNN the main transmitter & tower is now history.

I can't recall where I saw the report, but a correspondant who was kicked out of Afghanistan after 9/11 was recounting how in remote villages, there was often only one radio, and it was hooked up to a dynamo on a bike, and villagers took turns in the evening peddling to get the latest news. Most often, that was the BBC in Pushto. Now that's qrp!

73
Ken KG4FGC

Date: Thu, 11 Oct 2001 21:33:30 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: wphinizy@filenet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [108531] Re: Question: Scope Pictures with Digital Camera
Message-ID: <3BC6486A.25D27EF9@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill,

First, most scope cameras are not digital! They use film. Check with you test equipment lab to see!

Second, NO scope camera uses flash. They depend on the repetition of the waveform in almost complete blackness to make the picture. The only external illumination they allow is the graticule!

Try getting a stable display on the scope screen. Darken the room so the only light is from the display, put your camera on a tripod. take a slow speed exposure. Most scope traces are in the order of a 30 th of a second. If you can arrange a lens hood, say a tube of heavy black paper around the camera lens and the scope it will help!

73

Date: Thu, 11 Oct 2001 21:35:13 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: hoglund@wfu.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [108532] Re: Radio and the Current Troubles
Message-ID: <3BC648D1.C81F31C8@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sounds more like necessity! They want to know. In fact they have a vested interest in knowing!

73

Date: Thu, 11 Oct 2001 21:39:59 -0400
From: Mike Maiorana <mikemo@attglobal.net>
To: qrp-l@lehigh.edu
Subject: [108533] External kenwood VFO operation
Message-ID: <3BC649EF.72FB3BBF@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings,
I'm thinking about building and using an external VFO on my Kenwood TS-830s. The manual has the pinout of the external VFO connector, but does not describe what the signals are for.
What level signal is required to drive the VFO input?

How do you tell the rig to use the external VFO instead of the internal?
How can you tell that you are in CW mode and need to offset the freq
during transmit?
How much power can you draw from the 9 and 12 volt pins?

Lots of questions, no answers. Can anyone help? Perhaps someone has a
VFO-230 manual that they could look at for me?
Thanks and 72
Mike M, KU4Q0

Date: Thu, 11 Oct 2001 20:41:07 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108534] Re: Question: Scope Pictures with Digital Camera
Message-ID: <0bf401c152be\$f6e437a0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I know a lot of people have used Polaroids with great success. Actually...
every photo I've seen of scope traces was done with a Polaroid.

72 / 73 de Brice KA8MAV
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360,
KLQRP, FPQRP -156, ARS, ARRL
<http://www.QRPP-I.com>

----- Original Message -----
From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, October 11, 2001 8:33 PM
Subject: Re: Question: Scope Pictures with Digital Camera

> Bill,
>
> First, most scope cameras are not digital! They use film. Check with
> you test equipment lab to see!
>
> Second, NO scope camera uses flash. They depend on the repetition of
> the waveform in almost complete blackness to make the picture. The only
> external illumination they allow is the graticule!
>
> Try getting a stable display on the scope screen. Darken the room so

> the only light is from the display, put your camera on a tripod. take a
> slow speed exposure. Most scope traces are in the order of a 30 th of a
> second. If you can arrange a lens hood, say a tube of heavy black paper
> around the camera lens and the scope it will help!
>
> 73
>

Date: Thu, 11 Oct 2001 21:45:37 -0400
From: "ss lyon" <sslyon@megalink.net>
To: "chat qrp" <qrp-1@lehigh.edu>
Subject: [108535] Middle East Radio resource...
Message-ID: <019a01c152bf\$976515a0\$038798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Forwarded from KZ1Z:

MONITORING AFGHANISTAN AND VICINITY

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permission prohibited.

A basic guide to English broadcasts audible in North America
Times are UT. Subtract 4 hours for EDT, 5 for EST and CDT, 6 for MDT,
7 for MST and PDT. Frequencies in kHz. Additional Islamic countries
outside the Mideast are included. Latest info as of October 11, 2001.
The frequencies providing best or most reliable reception marked (*)

AFGHANISTAN --- Voice of Shariah (Taliban station)
1530-1545 7087 (varies 7083 to 7092) [for propagational reasons this
is extremely difficult to hear, but is your only chance. Theoretically,
best possibility is on west coast, improving with approach of solstice
and greatest darkness on path.] However, this frequency was knocked
off the air at 1610 UT October 8 and not heard since. Also check our
Anomaly Alert page:
<http://www.angelfire.com/ok/worldofradio/Anomaly.html>

EGYPT --- Radio Cairo
0200-0330 *9475
2115-2245 9990

2300-0030 9900

INDIA --- All India Radio

1330-1500 9690, 11620, 13710

1745-1945 7410, 9950, 11935, *13605, 15120

2045-2230 7150, 7410, 9650, 9910, 9950, 11620, 11715

2245-0045 9705, 9950, 11620, *13605

INDONESIA --- Voice of Indonesia

2000-2100 15150

IRAN --- Voice of the Islamic Republic of Iran

0030-0130 9022, 9835, 11970

1930-2030 9022, 11670, 13730

IRAQ --- Radio Iraq International

2000-2100 11787 [time varies widely]

0200-0300 11787 [time varies widely]

ISRAEL --- Kol Israel

0500-0515 9435, *15640, 17545

1700-1730 15615, *17545

2000-2030 11605, 15615, 15640, *17545

JORDAN --- Radio Jordan

1100-1730 11690

KUWAIT --- Radio Kuwait

0500-0800 15110

1800-2100 11990

LIBYA --- Voice of Africa

2025-0345 17725 or 15435

[English news segments of 5 to 10 minutes start from 25 to 35 past each hour, mixed with Arabic, French and other languages]

OMAN --- Radio of the Sultanate of Oman

0300-0400 15355

1400-1500 15140

PAKISTAN --- Radio Pakistan

1055-1105 17520, 21465

1600-1615 11570, 15100, 15725, 17720

0045-0115 15455

SAUDI ARABIA --- BSKSA

[does not have ANY shortwave broadcasts in English, but has French and many other languages; complain to their Embassy in the USA...]

SYRIA --- Radio Damascus
2005-2210 12085, 13610

TAJIKISTAN --- Radio Tajikistan
1645-1700 7245
0345-0400 7245

TURKEY --- Voice of Turkey
0300-0400 *9650
1230-1330 17810, 17830
2200-2300 *11845

UNITED ARAB EMIRATES --- Emirates Radio, Dubai
0330-0350 12005, *13675, 15395
1330-1350 13630, 13675, 15395, *21605
1600-1635 13630, 13675, 15395, 21605

UZBEKISTAN --- Radio Tashkent
1200-1230 9715, 15295, 17775
1330-1400 9715, 15295, 17775

YEMEN --- Republic of Yemen Radio
0600-0700 9780
1800-1900 9780

For MUCH more information on the latest shortwave operations consult:
<http://www.angelfire.com/ok/worldofradio/Dxldmid.html>

And listen to WORLD OF RADIO:
home page: <http://www.angelfire.com/ok/worldofradio/>
schedule: <http://www.angelfire.com/ok/worldofradio/radioskd.html>
schedule in CDT:
<http://www.angelfire.com/ok/worldofradio/wormast.html>
summaries: <http://www.angelfire.com/ok/worldofradio/wor2001.html>
audio: <http://www.worldofradio.com/audiomid.html>

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel, Me, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Thu, 11 Oct 2001 20:46:12 -0500
From: "George, W5YR" <w5yr@att.net>
To: kc8aon@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108536] Re: The 4:1 voltage balun
Message-ID: <3BC64B64.BEAF5C00@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What do you do with the tuner chassis?

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Rick McKee wrote:

>
> TRY PUTTING THE 1:1 BALUN BETWEEN THE TUNER AND THE RADIO, AND THE
> BALANCED LINE DIRECTLY TO THE "UNBALANCED" OUTPUT OF THE TUNER - YEAH,
> YOU READ THAT RIGHT ! CONNECT THE BALANCED LINE TO ONE OF THE COAX
> FITTINGS - ONE SIDE TO THE CENTER PIN AND THE OTHER TO GROUND, OR ONE
> SIDE TO THE RANDOM WIRE TERMINAL AND THE OTHER TO GROUND. WITH THE 1:1
> BALUN ON THE INPUT OF THE TUNER, IT WILL ALWAYS SEE A LOW IMPEDANCE LIKE
> IT WAS DESIGNED FOR, AND LET THE TUNER TAKE CARE OF THE MISMATCH LIKE IT
> WAS DESIGNED FOR !
> WHAT YOU HAVE HERE IS A QUICK "CHEAP AND DIRTY" BALANCED LINE TUNER -
> WORKS GREAT !

Date: Thu, 11 Oct 2001 20:56:13 -0500
From: Dan & Teena Case <dtcase@pcpartner.net>
To: "'qrp-1@Lehigh.edu'" <qrp-1@Lehigh.edu>
Subject: [108537] For Sale
Message-ID: <01C15298.ABC36320@HUX-248modem.pcpartner.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

For Sale -

W6MMA St. Louis Vertical coil assembly (10 - 80 meter version). \$45 o.b.o.
shipped.

73,
Dan KB0JUL
kb0jul@arrl.net

Date: Thu, 11 Oct 2001 22:18:22 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wphinizy@filenet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [108538] Re: Question: Scope Pictures with Digital Camera
Message-ID: <006101c152c4\$36eaa6e0\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, first of, you can't use a flash. The flash is for illuminating something that is reflective. Your scope display is a light source itself. So a flash is out no matter WHAT format camera you use.

As to the display, forget digital. Polaroids work (as any film will, but Polaroids give instant results) because they can OPEN the shutter for a whole sweep. This is MUCH longer than anything you can do with a digital camera.

That's not to say it can't be done. Just not with a 'consumer' digital camera. There are plenty of people using digital sensors for telescopes, and these use additive frames to take their pictures. If you could set up like them, and essentially capture over a whole sweep, it would work. But I have never seen a consumer camera to do this.

Mike

----- Original Message -----
From: Phinizy, William <wphinizy@filenet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, October 11, 2001 9:11 PM
Subject: Question: Scope Pictures with Digital Camera

> Sorry for the bandwidth, but I am having a beastly time getting scope
> pictures using my digital camera. It's a Fuji -- nothing extraordinary.
The

> flash seems to wash out the trace (Tek 2445 or Tek T935) and pictures
done
> without the flash are too dark and/or jittery to be useful. Certainly
> nothing like the glamorous shots I have seen on some of the web sites
and
> URLs from guys in the group..
>
> ..all sharing of trade secrets gratefully accepted and my sincere
gratitude
> in advance.
>
> Bill, K6WHP
>
>

Date: Thu, 11 Oct 2001 20:26:39 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-1@lehigh.edu
Subject: [108539] Re: More FYI and SWL . . . Re: RTTY on 3.885 MC
Message-ID: <20011011.202642.-365297.7.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

When I went to that site all I see are casinos, loan places,
and other gambling enterprises. did not see anything
related to radio software at all.

>><http://www.qsl.net/mmhamsoft/><<

Date: Thu, 11 Oct 2001 20:29:28 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <kd1jv@moose.ncia.net>, qrp-1 <qrp-1@lehigh.edu>
Subject: [108540] Re: HB: General Coverage SW Rx
Message-ID: <B7EBB1A8.E178%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Steve - That sounds like a neat idea for a SW receiver. Obsolete parts are a
real problem these days, particularly with the fairly long lag time between
the time they are released and the time that they are recognized by Hams as

useful.

What did you use for the preselector/input filters?

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Thu, 11 Oct 2001 22:51:10 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [108541] Re: Question: Scope Pictures with Digital Camera
Message-ID: <02f901c152c8\$c105bc80\$0ad379a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Didn't Polaroid just go out of business, or seriously curtail their
production?

Date: Fri, 12 Oct 2001 03:01:23
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [108542] Middle East Radio resource...
Message-ID: <F138tV5HtQ39Tjm8yq600000344@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

From: ss lyon (sslyon@megalink.net)

...
IRAN --- Voice of the Islamic Republic of Iran
0030-0130 9022, 9835, 11970
1930-2030 9022, 11670, 13730
...

They also broadcast on 15084 in Farsi a good portion of the day if you are
able to copy Farsi.

Also, the Voice of America broadcasts in Arabic, Farsi, Dari (dialect of
Farsi), Pashtu, Urdu, Hindi, etc. The latter five used to be heard from
Greenville, NC on 57???.? (I don't remember the exact freq.) on their feeder

to transmitter facility in Greece. They packed two feeds on the same frequency, using one sideband for language X and the other for language Y. As I recall, they broadcast in Bulgarian on the opposite sideband when I used to listen to their Farsi feed.

Brad

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Thu, 11 Oct 2001 23:02:28 EDT
From: MertNellis@aol.com
To: qrp-1@lehigh.edu
Subject: [108543] RE: BALUN Questions
Message-ID: <85.115308c8.28f7b744@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Ken, K1XS wrote:

>The antenna is really a "coaxial vertical" if I
>remember correctly. The bottom half of the antenna is
>connected to the shield of the coax.
>A BALUN would not be necessary.

Correct. A balun (other than the one already present) is not needed BECAUSE if you go to the bottom end of the antenna and look up the coax into the concentric assembly you are looking into a shorted 1/4 wave coax that provides choking to any current that wants to run from the bottom antenna section down the feed coax. It makes a neat 10 meter vertical antenna but the bottom needs to be in the air.

And Bill, KD7S wrote:

>I continue to be baffled about the perceived need for baluns. I have been
>licensed for 46 years and have used a myriad of antennas through the years.
>I have NEVER owned nor used a balun on any of them ... and they all worked
>just fine.

As someone already said, "whatever radiates may do a fine job for you''. But theoretically, if you want a good coax fed dipole pattern, keeping currents off the outside of the coax feedline will help preserve the theoretical pattern of a dipole. But (another one) the balun must be designed to work with the impedances present. A 1:1 current balun for use at the center of a TUNED dipole is easier to design because, for a single band, the impedance

presented can be near resistive and in the range of 50 to 80 ohms. One current balun design, however, may be used over a range of frequencies. My "UFO" balun mentioned earlier works well over the range of 7 to 21.5Mhz and other designs (inductance changes) will work at whatever frequency chosen, at least to 30Mhz.

The main thing is to make contacts and have fun....however....how ever.
73/72 Mert W0UFO MNQRP

Date: Thu, 11 Oct 2001 23:40:01 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <wphinizy@filenet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [108544] Re: Question: Scope Pictures with Digital Camera
Message-ID: <017b01c152cf\$9428e320\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Place a piece of paper over your flash or even colored plastic to diminish the flash. That's how I do it! It works very well. Others may do something else but this works for me.

Cheers,
Robert
VE3RPF

----- Original Message -----
From: Phinizy, William <wphinizy@filenet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, October 11, 2001 9:11 PM
Subject: Question: Scope Pictures with Digital Camera

> Sorry for the bandwidth, but I am having a beastly time getting scope
> pictures using my digital camera. It's a Fuji -- nothing extraordinary.
The
> flash seems to wash out the trace (Tek 2445 or Tek T935) and pictures done
> without the flash are too dark and/or jittery to be useful. Certainly
> nothing like the glamorous shots I have seen on some of the web sites and
> URLs from guys in the group..
>
> ..all sharing of trade secrets gratefully accepted and my sincere
gratitude
> in advance.

>
> Bill, K6WHP
>

Date: Fri, 12 Oct 2001 03:47:10 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: Karl Larsen <k5di@zianet.com>
Cc: qrp-1@lehigh.edu
Subject: [108545] Mine Field Study
Message-ID: <3BC6216E.B8E2C385@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Karl....

Did a couple of quick Mine Field checks here in WV and found the following...

0215z
7105 KHz - Weak AM bcst stn
7110 " - Amateurs (LSB) in Spanish
7115 " - Another rather weak AM bcst stn

0315z
7105 KHz - Voice of America in English (loud)
7110 " - Weak AM bcst here now
7115 " - QSOs in Spanish (LSB)

Naturally, the situation changes each hour with some new entrants into the mine field (even picking up some on the half hour).

Will attempt to make some additional checks on other nights in some of the other time slots mentioned in your email.

I think your Mine Field Study is a great idea Karl. With enough input, you should have an excellent picture of 7100-7115 QRM during any given hour in that 4 hour slot.

73 //Gary *K8KFJ*

Date: Thu, 11 Oct 2001 20:57:40 -0700

From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108546] Re: High Tech
Message-ID: <006c01c152d2\$0ac24c40\$76e5b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Has anyone actually measured what you can get out of those
> crank radios in the way of power? I know, it's just a 'receiver'
> so the solar cells and generator don't have to be especially
> heavy duty, but it might make a neat little 'auxiliary charger'
> setup for a QRPp station... Especially while camping.

Mike,

I had the same thought in mind. Might be fun to take camping as an
alternative power source.

72/73
Trev
KG6CYN

Date: Fri, 12 Oct 2001 00:04:09 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@Lehigh.EDU
Subject: [108547] Lake Placid Hamfest
Message-ID: <20011012040405.VWWS28799.lateralus@n8et>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The Lake Placid (NY) hamfest is this Saturday. I will be headed that way
early Friday AM, and hope to see at least a few of the QRP-L readers from
Northern NY and VT there on Saturday. I will have an inside table (I have
seen snow on the ground in the Lake Placid area this time of year before...)

I should have the FT-100 running in the car tmrw - I'll be checking the qrp
frequencies - both SSB and CW.

73 - Bill - N8ET
Kanga US

kanga@bright.net
http://www.bright.net/~kanga/
419-423-4604

Date: Thu, 11 Oct 2001 21:07:24 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [108548] 40 Meters seem long tonight?
Message-ID: <00b401c152d3\$66a2b1c0\$76e5b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does 40 Meters seem extremely long propagation wise tonight??? I'm hearing tons of SSB from over the pond very strong, in fact it was so strong that the QSO I was having with Clare K0NY in Winona, MN couldn't compete. Might be a good time to try for some DX on 40...

72/73
Trev
KG6CYN

Date: Fri, 12 Oct 2001 00:15:54 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "Tom" <n1tp@worldnet.att.net>,
 ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>,
Subject: [108549] Winter FOX Roster/Sked
Message-ID: <200110120015_MC3-E2EF-9E03@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Well at long last here is the roster for the Winter FOX Hunt. Please look

it over and let me know of any problems. I have tried to keep folks =

spread out as much as possible across the USA and Canada. Have =

also tried to mix in some newcomers with the veterans. Gotta tell ya, this

is a tough job :-).

WK	Date1/Date2	FOX1	Name	SPC	FOX2	Name	=
SPC							
1/11	10/25&1/3/02	N2WW	Larry	CO	N2CQR	Dan	=
=							
OR							
2/12	11/01&1/10	W0UFO	Mert	MN	K7GT	Alla	=
n =							
CA							
3/13	11/08&1/17	N0TU	Steve	CO	N8VAR	Ron	=
=							
OH							
4/14	11/15&1/24	N0RC	Rod	CO	N0UR	J	=
im							
MN							
5/15	11/22&1/31	W0MC	Jerry	CO	W0PWE	Jerry	=
=							
IA							
6/16	11/29&2/7	W8RU	Ron	MI	N4DD		=
Dennis	TN						
7/17	12/06&2/1	W8KC	Paul	MI	N6WG		=
Bob	CA						
8/18	12/13&2/1	VE3FAL	Fred	ON	N1Q0	John	=
=							
VT							
9/19	12/20&2/2	VE6EX	Dan	AB	K4FB		=
Paul	FL						
10/20	12/25&3/7	KV2X	Tom	NY	K0PC		=
Pat	MN						=

Here are the alternates: ET N1FN, Don NK6A, Frank AB2KT, Rick N0IS, =

and Jan NQ7T. I have chosen to sit this season out in order to make =
space for others.

I hope the above columns line up at least fairly well. This software =
sometimes does me in, neatness-wise.

73,

--Doc/K0EVZ

=

Date: Thu, 11 Oct 2001 21:38:53 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
"Bill Phinizy" <k6whp@gte.net>
Subject: [108550] RE: Question: Scope Pictures with Digital Camera
Message-ID: <NEBBJCAPOLCDGKDKJPGLKEEMCNAA.rmccarty@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If your digital camera has the ability to adjust the "shutter" speed, set it for 1/60th of a second or slower. I use 1/30th, and adjust the f-stop accordingly. The nice thing about digital cameras is mistakes are not costly! Try until you get it right. If your camera does not have the ability to make these adjustments manually, it will be difficult if not impossible. Tricking a camera lacking these adjustments as someone else suggested, by placing something over the flash, may help.

In either case, at slow exposure times, a tripod or stable platform is a necessity.

As a counterpoint, there are many consumer grade digital cameras that have all of the adjustments equivalent to that of a film camera.

Polaroid at one time, manufactured a camera specifically for oscilloscopes and other trace related equipment, such as a spectrum analyzer. I used one on a regular basis for a prior employer. It is special Polaroid body with a hood that completely encompasses the lens on the camera and the oscilloscope CRT face. Fixed Focus and exposure are optimized for the purpose.

Roger KD6CC

Date: Thu, 11 Oct 2001 21:39:23 -0700
From: "DTX" <dtx@wood.tzo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [108551] Re: High Tech
Message-ID: <003b01c152d7\$de144080\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yeah, but I would not advise hanging around the general vicinity of the TX
when it was turned on ;-)

Gary WA6DTX
----- Original Message -----
From: "Alex" <kr1st@amsat.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, October 11, 2001 9:45 AM
Subject: Re: High Tech

> Mike Yetsko wrote:
>
> > they are small 'fixed
> > frequency' radios designed to receive a single broadcast
>
> That would mean that they only would have to jam one frequency to make
> the radios useless.
>
> 73,
> --Alex
>

Date: Thu, 11 Oct 2001 22:21:00 -0700
From: "John Stevens" <john.w.stevens@home.com>
To: <qrp-l@lehigh.edu>
Subject: [108552] BayGen Radios
Message-ID: <00da01c152dd\$aefab300\$d05a0b18@k5js.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

The "Big Lots" stores (chain) had the AM/FM/SW BayGen radio available last January or February for \$30. You might still find a few around. They do work.

73 JW Stevens K5JS
Peoria, AZ

Date: Fri, 12 Oct 2001 03:18:20 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Trevor Jacobs <fxtech@earthlink.net>
Cc: QRP List <qrp-l@lehigh.edu>
Subject: [108553] Not so... Re: High Tech
Message-ID: <Pine.OSF.4.21.0110120314430.30664-1000000@saturn3.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> > Has anyone actually measured what you can get out of those
> > crank radios in the way of power? I know, it's just a 'receiver'
> > so the solar cells and generator don't have to be especially

The crank (and solar cell) simply charges a couple internal nicad batteries. My daughter got one of those things from a friend for her birthday. It has AM/FM w/ a flashlight. It's not that high tech, but I do get a kick out of it.

: -)

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics.
Visit the Virtual Ten*Tec Museum at:
<<http://www.acs.oakland.edu/~prvalko>>

Date: Fri, 12 Oct 2001 06:21:05 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: w5xe@juno.com, qrp-l@Lehigh.EDU
Subject: [108554] Re: More FYI and SWL . . . Re: RTTY on 3.885 MC

Message-ID: <20011012.062227.-252507.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

>><http://www.qsl.net/mmhamsoft/><<

I just tried it again and works 5X5 from here.

Try it "first hand" . . .

Use GOOGLE and / or YAHOO and search "hamsoft"

John
N3AAZ
FM 19 xa

On Thu, 11 Oct 2001 20:26:39 -0600 William R Colbert <w5xe@juno.com>
writes:

>
>When I went to that site all I see are casinos, loan places,
>and other gambling enterprises. did not see anything
>related to radio software at all.
>
>><http://www.qsl.net/mmhamsoft/><<

Date: Fri, 12 Oct 2001 07:25:47 EDT
From: K5BDZ@aol.com
To: ki6ds@dph.dpol.net, qrp-1@lehigh.edu
Subject: [108555] Re: Ed Manual, QRPacificon Speaker
Message-ID: <82.11717704.28f82d3b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Doug
Are we knowing the same Ed Manual? Have you checked with Bill Steitenroth,
Stuart and Burl to verify it's the same Ed??

Actually, Ed Manual is a good addition to the list of speakers at
QRPacificon. His experiences are varied, his grasp of the realistic aspects
of turning theory into practice are good, to be shared with all. His
audiences, as always, will all want more.

One thing...his accent. Please tell the audiences to listen closely..
"y'all" is singular and "ALL y'all" is plural. It does make a difference in
antenna raising... and invitations to a paid breakfast.

Will miss your great gathering this year. But someday.....
Bill K5BDZ

Date: Fri, 12 Oct 2001 08:24:28 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <prvalko@oakland.edu>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [108556] Re: Not so... Re: High Tech
Message-ID: <00a101c15319\$50c72200\$6501a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Maybe on some models... But I'm not so sure on all. On the one my
friend had, when the spring stopped unwinding, the radio died in
seconds. I thought it just had some kind of supercap in the thing.
We never took it apart, and while it was clear, we didn't really try to
look for a battery. The moving mechanism was too neat.

Mike

----- Original Message -----
From: Paul R. Valko <prvalko@oakland.edu>

>
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> > > crank radios in the way of power? I know, it's just a 'receiver'
> > > so the solar cells and generator don't have to be especially
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> The crank (and solar cell) simply charges a couple internal nicad
> batteries. My daughter got one of those things from a friend for her
> birthday. It has AM/FM w/ a flashlight. It's not that high tech, but
I
> do get a kick out of it.

Date: Fri, 12 Oct 2001 07:47:32 -0500
From: George Franklin <w0av@juno.com>
To: myetsko@insydesw.com
Cc: qrp-1@Lehigh.EDU
Subject: [108557] Re: Not so... Re: High Tech
Message-ID: <20011012.074733.-1714633.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Guys,

I remember that QST published a review of the Baygen crank-up radio a couple of years ago and that in the article the statement was made that there was insufficient power for even a QRPp transmitter.

It seems to me that I also read in that article (perhaps elsewhere) that the crank-spring mechanism in the original South African Baygen radio was quite fragile and didn't last long

The RS crank-up/sunpower AM/FM radio I have works fine, but the crank-up feature has been used only a few times

FWIW

de George/W0AV]
SOC#101
COG#1

Date: Fri, 12 Oct 2001 05:48:17 -0700
From: "Walter Costa" <walt3120@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [108558] Re: MH101: Activity - NP0 caps
Message-ID: <F205mLrXWq0GPlrwAne00004a8f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi RIch,

You asked "Where in the world are... 3000puff NP0 mono caps? I've been to Digi-key, Dan's and Mouser, but no luck-itude."

I found them at Mouser. Part No. 80-C320C332J1G

These are rated COG which are equivalent to NP0.

I haven't measured my VFO drift vs time, but I don't haven't noticed any drift problems when I'm using it.

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 12 Oct 2001 08:48:54 -0500
From: "Randy Randall" <RANDALLR@Healthall.com>
To: <john.w.stevens@home.com>, <qrp-l@Lehigh.EDU>
Subject: [108559] Re: BayGen Radios
Message-ID: <sbc6ae80.027@healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

The Big Lots chain here in Cincinnati had the Freeplay 2 AM/FM for \$29.95 = with the clear see through case. They also had the Freeplay flashlights, = but I missed that one. Drat!!!!

Randy KB8AS0

Randy E. Randall
Network Engineer
The Health Alliance of Greater Cincinnati
Phone 513-585-7146
Fax 513-585-7159

>>> "John Stevens" <john.w.stevens@home.com> 10/12/01 12:21AM >>>

The "Big Lots" stores (chain) had the AM/FM/SW BayGen radio available last January or February for \$30. You might still find a few around. They do work.

73 JW Stevens K5JS
Peoria, AZ

Date: Fri, 12 Oct 2001 08:57:57 -0400
From: John Wagner <john@wagner-usa.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108560] MH101 - mailing list?
Message-ID: <3BC6E8D5.99A7813D@wagner-usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Two suggestions for those still interested in discussing the MH101 on a mailing list;

1. Discuss it here - plenty of knowledge in this group.
2. Someone startup a list (like on Yahoo or something).

It sounds like there are a number of people just getting around to building this radio and it would be great to see 'em get built. As far as I know only a few got finished from the build. I know I sent out TONS of NE602's to builders, so there are more than a few unfinished rigs out there!!!

73 de John, N1Q0

--

John Wagner - john@wagner-usa.net
Web page: <http://www.neknetwork.com>

Date: Fri, 12 Oct 2001 07:53:46 -0500
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>
Subject: [108561] Fort Wayne Hamfest
Message-ID: <000c01c1531e\$63c58d60\$73e9a0ce@aaacomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yesterday I received the flyer for the Fort Wayne Hamfest on November 17 and 18. The flyer listed the QRP forum at 12:30 Saturday and I'm planning on attending. I'll bring the WBR receiver I built for show and tell.

There's a homebrew forum listed for Sunday morning but I won't be able to attend. Hopefully somebody here can attend and post a report of what happens there.

Thanks,

Jim, WD9EYB

Date: Fri, 12 Oct 2001 06:09:48 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [108562] Clenched FISTS and non-FISTS unite!
Message-ID: <F139aAiDTyhauEzcT1e000040c7@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Tomorrow, beginning at 1700UTC on Saturday October 13th, is the 2001 Fists Club CW Fall Sprint. ALL qrp stations are encouraged to join in the fun! Details at:

<http://www.fists.org/sprints.html>

Many QRP'ers are also Fists Club members, but you do not need to be a member to participate in tomorrow's sprint.

Our local qrp club call K7Low, Fists #7825 will be active from the sunny central Oregon coast. Please be on the lookout for us...

73 John K7FD, op at K7Low

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 12 Oct 2001 08:22:54 US/Central
From: delphinus@brightok.net
To: qrp-l@Lehigh.EDU
Subject: [108563] Re: More FYI and SWL . . . Re: RTTY on 3.885 MC
Message-ID: <200110121322.IAA18289@mail3.brightok.net>

When I initially tried to use the link, I too got a page full of advertisements. This is because the URL didn't exist. Notice that there is a "<<" at the end of the active URL link. It shouldn't be there. If you simply erase the "<<" from your location box and hit enter, it will take you to the

correct page. Or you could hit the first link below. I also found that their introduction to digital modes (the last link below) was VERY informative for me, a relative newcomer to ham.

<http://www.qsl.net/mmhamsoft/>
<http://www.qsl.net/mmhamsoft/intro.htm>

73, Matthew,
AD5AP

This message was sent using BrightNet MailMan.
<http://www.Brightok.net/mailman/>

Date: Fri, 12 Oct 2001 06:52:06 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [108564] High peak in Colorado - Pictures
Message-ID: <20011012135206.11626.qmail@web11601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

OK... I've milked this 'Top of Colorado' hike for all its worth. This is the last you'll see of me :-)!

Put some pics and description of the hike at the following URL if anyone's interested. Also... I plan to put some photos and a description of the antenna I built and used on my web page soon so if ur interested let me know and I'll notify you if/when I get it out there!

http://marina.fortunecity.com/sanpedro/351/mt_elbert/mt_elbert.html

=====
Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

Do You Yahoo!?
Make a great connection at Yahoo! Personals.
<http://personals.yahoo.com>

Date: Fri, 12 Oct 2001 11:09:05 -0400
From: Russ Hines <wb8zcc@one.net>
To: myetsko@insydesw.com, QRP-L Discussion Group <qrp-l@Lehigh.EDU>
Subject: [108565] Re: Question: Scope Pictures with Digital Camera
Message-ID: <3BC70791.28E8D300@one.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Actually, I've used one, an Olympus D-320L, with varying success
snapping photos for broadcast proofs.

Recommedations: use a camera hood, no flash, camera tripod, and reduce
the trace and graticule intensity as digi cameras tend be be REAL
sensitive to light levels.

<two cents inserted>

73,
Russ Hines
WB8ZCC

Mike Yetzsko wrote:

>
> Well, first of, you can't use a flash. The flash is for illuminating
> something
> that is reflective. Your scope display is a light source itself. So a
> flash is
> out no matter WHAT format camera you use.
>
> As to the display, forget digital. Polaroids work (as any film will, but
> Polaroids give instant results) because they can OPEN the shutter for
> a whole sweep. This is MUCH longer than anything you can do with
> a digital camera.
>
> That's not to say it can't be done. Just not with a 'consumer' digital
> camera. There are plenty of people using digital sensors for telescopes,
> and these use additive frames to take their pictures. If you could set
> up like them, and essentially capture over a whole sweep, it would
> work. But I have never seen a consumer camera to do this.
>
> Mike
>
> ----- Original Message -----

> From: Phinizy, William <wphinizy@filenet.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Thursday, October 11, 2001 9:11 PM
> Subject: Question: Scope Pictures with Digital Camera
>
> > Sorry for the bandwidth, but I am having a beastly time getting scope
> > pictures using my digital camera. It's a Fuji -- nothing extraordinary.
> The
> > flash seems to wash out the trace (Tek 2445 or Tek T935) and pictures
> done
> > without the flash are too dark and/or jittery to be useful. Certainly
> > nothing like the glamorous shots I have seen on some of the web sites
> and
> > URLs from guys in the group..
> >
> > ..all sharing of trade secrets gratefully accepted and my sincere
> gratitude
> > in advance.
> >
> > Bill, K6WHP
> >
> >

Date: Fri, 12 Oct 2001 08:27:01 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [108566] Re: Question: Scope Pictures with Digital Camera
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B774FC@hq-expo2.filenet.com>

I am grateful to all for the great advice and recommendations. Sadly, since I am terminally restive, I refuse to give up the use of the digital camera ("I want to learn to be patient and I want to learn it now!") in favor of a conventional camera.

I am sure that, with the great suggestions, I'll be able to strike a satisfactory compromise and produce something worth archiving test results, etc.

Thanks again.

Bill, K6WHP

Date: Fri, 12 Oct 2001 11:45:18 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>
To: <wb8zcc@one.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [108567] Re: Question: Scope Pictures with Digital Camera
Message-ID: <02f101c15334\$e7814ca0\$6501a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I suppose it depends on the firmware in the camera and how slow it will adjust the equivalent 'frame rate' for the snapshot. Yes, I have played with some that will. In fact, I did project with an OmniVision 8600 where

I would let the frame rate drop to about 2fps if the environment required it. But that's something I don't think most camera manufactures would allow, due to stability requirements. Still, if you can fool it, go for it.

The problem may be that the camera will need MULTIPLE frames. First to SET the frame rate, and then to snap the picture. That means that unless you have a camera where you can do the equivalent of issue a capture command, then the equivalent of a stop capture, you must have a repetitive 'scene' on the display for it to capture. (This is something that real film cameras can easily do with manual shutter controls.) Also, in the process of 'setting up' the capture, you will need a number of frames for the camera to begin 'slowing itself down' so to speak if you are trying to get the autoexposure to do it for you.

Finally, say you think you have it slowed down. Are you sure the exposure overlaps at LEAST a full scope frame? Or if more than one scope frame, is it going to have a partial that's super bright and the rest too dim?

If you have a 'repetitive' image that you can turn the brightness down so that the camera slows down to get a bunch of overlapping images, that probably will appear fairly nice.

These problems CAN be addressed with some digital cameras, but generally not easily on all of them. If it's really important to get scope pictures digitally, I'd scan photos! Or, get a sensor and set it up the way the telescope guys do, with software that says 'start capture' and 'stop capture'. Doing that you can even capture 'one shot' events.

Mike

----- Original Message -----

From: Russ Hines <wb8zcc@one.net>

> Actually, I've used one, an Olympus D-320L, with varying success
> snapping photos for broadcast proofs.
>
> Recommendations: use a camera hood, no flash, camera tripod, and reduce
> the trace and graticule intensity as digi cameras tend to be REAL
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>
> <two cents inserted>
>
> 73,
> Russ Hines
> WB8ZCC
>
>
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> > something
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So a
> > flash is
> > out no matter WHAT format camera you use.
> >
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> > and these use additive frames to take their pictures. If you could
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> > work. But I have never seen a consumer camera to do this.
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> > Mike

> >
> > ----- Original Message -----
> > From: Phinizy, William <wphinizy@filenet.com>
> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> > Sent: Thursday, October 11, 2001 9:11 PM
> > Subject: Question: Scope Pictures with Digital Camera
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Certainly
> > > nothing like the glamorous shots I have seen on some of the web
sites
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> > > URLs from guys in the group..
> > >
> > > ..all sharing of trade secrets gratefully accepted and my sincere
> > gratitude
> > > in advance.
> > >
> > > Bill, K6WHP
> > >
> > >
>
>

Date: Fri, 12 Oct 2001 10:55:07 -0500
From: Fairbairn Bob-C12509 <Bob.Fairbairn@motorola.com>
To: "Qrp-l (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [108568] Tell Me I should not buy an FT-817
Message-ID: <50A3595A9022DE4D8FB4702CD4F79CF727702D@il06exm25.ds.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hello,

My first qrp radio was an Argo 509 and the second a Norcal 40 that I built. I
have not done much since then. Ham radio has been less fun over the past couple

of years and I just don't turn the radio on much. I am thinking that getting back into QRP as a way to have fun.

I have been trolling the internet for a couple of weeks now and it really does look interesting...

I love experimenting with antennas and the like. Maybe this would bring a new found sense of fun to my hobby...

What do you all think.

Bob Fairbairn KE9A

Date: Fri, 12 Oct 2001 09:01:08 -0700
From: Mike Gipe <mgipe@reliablemeters.com>
To: Bob.Fairbairn@motorola.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108569] RE: Tell Me I should not buy an FT-817
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A964BACA@mission>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Bob --

Don't buy an FT-817 UNLESS you want to experiment with some effective portable antennas that I can carry in my backpack. And don't forget to write up the results in QRPP, QRP Homebrewer, Sprat, or QQ.

Mike K1MG

Date: Fri, 12 Oct 2001 12:15:26 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <Bob.Fairbairn@motorola.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108570] Re: Tell Me I should not buy an FT-817
Message-ID: <001101c15339\$4e3015e0\$6501a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Oh oh, here it comes!! I know I'm gonna be a burr up someone's bottom with this!!

I actually want an FT-817. And if fact if finances show I can...

But I want it for a SPECIFIC reason.

Be aware, it does not cover the FULL VHF low band on RX. (Ie, no weather band. This is VERY serious to me and what I want it for.)

Also, be aware you'll need a tuned antenna or a tuner. I got spoiled by my K2 with ATU. (I'd LOVE to build the K2-ATU into a small box with a 'tune' button...)

The rest of the 817 stuff is ergonomics. Supposedly pretty cramped. But that doesn't bother me for what I want it for. I want the 'combined' HF and UP all mode that I can carry under a ski coat.

The battery life is supposedly terrible. But again, that doesn't matter to me. I figure at most I'll operate 30 minutes a day.

Mike

----- Original Message -----

From: Fairbairn Bob-C12509 <Bob.Fairbairn@motorola.com>

> Hello,

>

> My first qrp radio was an Argo 509 and the second a Norcal 40 that I built. I have not done much since then. Ham radio has been less fun over the past couple of years and I just don't turn the radio on much. I am thinking that getting back into QRP as a way to have fun.

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>

> I love experimenting with antennas and the like. Mabye this would bring a new found sense of fun to my hobby...

>

> What do you all think.

>

> Bob Fairbairn KE9A

>

Date: Fri, 12 Oct 2001 16:18:17 +0000 (UTC)

From: Joe Reed <joe@n9jr.dyndns.org>

To: Fairbairn Bob-C12509 <Bob.Fairbairn@motorola.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108571] Re: Tell Me I should not buy an FT-817
Message-ID: <Pine.LNX.4.33.0110121616490.2457-100000@n9jr.dyndns.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

By all means, get back on the bands. But instead of an FT-817 get a K2.
I have both and the 817 is very CW un-friendly. The K2 is a dream on CW.
But get on the bands!

Joe N9JR

On Fri, 12 Oct 2001, Fairbairn Bob-C12509 wrote:

> Hello,
>
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of years and I just don't turn the radio on much. I am thinking that getting back
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>
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found sense of fun to my hobby...
>
> What do you all think.
>
> Bob Fairbairn KE9A
>

Date: Fri, 12 Oct 2001 09:20:06 -0700
From: "Tom Scott" <tomrscott@sterlink.net>
To: "'qrp-l Reflector'" <qrp-l@Lehigh.EDU>
Cc: <jakecart@ix.netcom.com>
Subject: [108572] FW: Trying to email Embedded Research
Message-ID: <000701c15339\$c489efe0\$7b881c0a@mhl70164>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Re: Trying to Email Gary Diana at Embedded research

So they changed their web domain, but the pointer to "contact us" on the web page still points to emails at the old domain name. I didn't get any response to an email there, so I sent one to the same names at the new domain name, but still haven't gotten any response. Anyone have any success reaching Gary Diana at Embedded Research?

Thanks! 73! ... and 76! (God Bless America!)

- Tom Scott, Field Applications Engineering

//_/_/_/_/_/_/_/_/_/_/

Arrow Electronics

9500 SW Nimbus #E

Beaverton, OR 97008

503-614-1223 - Office

503-614-0123 - Branch

503-645-0611 - Fax

503-703-2032 - Cell

503-538-5839 - Home

KD7DMH

//_/_/_/_/_/_/_/_/_/_/

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of John L. "Jake" Carter

Sent: Wednesday, October 03, 2001 4:24 AM

To: Low Power Amateur Radio Discussion

Subject: RE: Trying to contact Embedded Research

John-G4EDX:

Try <http://embres.com/> -- this address worked for me this morning.

73,

Jake - N4UY

Vienna, VA (Wash DC suburbs)

ARCI #9392, QRP-L #981, G-QRP #9557, SOC #345

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of John Fletcher

Sent: Wednesday, October 03, 2001 4:25 AM

To: Low Power Amateur Radio Discussion

Subject: Trying to contact Embedded Research

Hello all,

Sorry if it's a bit "off topic" but I'm trying to contact Brad or Gary at Embedded Research.

My e-mail to them bounced and I can't get into their website. Anyone have a new address for them?

Thanks in anticipation,

John G4EDX

Date: Fri, 12 Oct 2001 16:29:33
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: Bob.Fairbairn@motorola.com, qrp-1@Lehigh.EDU
Subject: [108573] Re: Tell Me I should not buy an FT-817
Message-ID: <F193W61CPx33E1ioWwr0000206b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

It all depends on what you want to do with a radio. There are many other good choices, each filling different needs. I do a lot of camping and really like my K-1 with tuner. I have seen the FT-817 and its not that small. All the HF bands can be nice, but most of the time I don't need more than 2 (40 and 20). Also remember that the extra (\$\$\$) CW filter according to many people for the FT-817. The FT-817 is a cute commercially built QRP radio. Anyone who collects QRP rigs would probably want one in their collection. Good luck!

72/73 Mike WA8BXN

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 12 Oct 2001 11:25:54 -0500
From: "Bill Allen" <wallen@our-town.com>
To: <joe@n9jr.dyndns.org>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [108574] Re: Tell Me I should not buy an FT-817
Message-ID: <003301c1533a\$91189340\$e900005a@ourtown.com>

Also, if you choose to not go the FT-817 route in favor of the K2, but are not enthralled with building it, there are guys who positively love to build them and then resell them at a modest markup (very modest considering the

hours of labor they put into it). You'll see them for sale on the Elecraft list and also on EBay at times.

72

WA5PB

Bill Allen

K2#1068

----- Original Message -----

From: "Joe Reed" <joe@n9jr.dyndns.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, October 12, 2001 11:18 AM

Subject: Re: Tell Me I should not buy an FT-817

> By all means, get back on the bands. But instead of an FT-817 get a K2.

> I have both and the 817 is very CW un-friendly. The K2 is a dream on CW.

> But get on the bands!

>

> Joe N9JR

>

> On Fri, 12 Oct 2001, Fairbairn Bob-C12509 wrote:

>

> > Hello,

> >

> > My first qrp radio was an Argo 509 and the second a Norcal 40 that I built. I have not done much since then. Ham radio has been less fun over the past couple of years and I just don't turn the radio on much. I am thinking that getting back into QRP as a way to have fun.

> >

> > I have been trolling the internet for a couple of weeks now and it really does look interesting...

> >

> > I love experimenting with antennas and the like. Maybe this would bring a new found sense of fun to my hobby...

> >

> > What do you all think.

> >

> > Bob Fairbairn KE9A

> >

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Date: Fri, 12 Oct 2001 12:32:26 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: Bob.Fairbairn@motorola.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [108575] Re: Tell Me I should not buy an FT-817
Message-ID: <3BC71B1A.196E4BDE@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob,

It really depends on what you want from your hobby! The FT-817 is a good piece of gear. So is the K2, and the TS950! They all do different things well. Some do it at QRP levels and some do it at QRO levels.

If you want a good all around piece of gear that will only run QRP and has battery issues, among other things, buy the FT817. If you want about the same radio but in a QRO version, buy an FT847!

Before you go out and buy a new radio, remember, there is not that much apparent difference between radios. You have to have pretty good ears to tell the difference between a K2 and an NC40. What will you get for the extra money? More bands? More modes? Think it over carefully and then buy!

73

Date: Fri, 12 Oct 2001 16:38:08 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: 70511.3041@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108576] Re: Winter FOX Roster/Sked
Message-ID: <3BC6D620.F6D842C2@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey guys...

To those of you who ran into a text formatting problem as I did, please feel free to use the following...

WK	Date1/Date2	FOX1	Name	SPC	FOX2	Name	SPC
--	-----	----	----	---	----	----	---

1/11	10/25&1/3/02	N2WW	Larry	CO	N2CQR	Dan	OR
2/12	11/01&1/10	W0UFO	Mert	MN	K7GT	Allan	CA
3/13	11/08&1/17	N0TU	Steve	CO	N8VAR	Ron	OH
4/14	11/15&1/24	N0RC	Rod	CO	N0UR	Jim	MN
5/15	11/22&1/31	W0MC	Jerry	CO	W0PWE	Jerry	IA
6/16	11/29&2/7	W8RU	Ron	MI	N4DD	Dennis	TN
7/17	12/06&2/1	W8KC	Paul	MI	N6WG	Bob	CA
8/18	12/13&2/1	VE3FAL	Fred	ON	N1QO	John	VT
9/19	12/20&2/2	VE6EX	Dan	AB	K4FB	Paul	FL
10/20	12/25&3/7	KV2X	Tom	NY	K0PC	Pat	MN

Date: Fri, 12 Oct 2001 12:46:04 -0400
 From: "Mark J. Dulcey" <mark@buttery.org>
 To: wphinizy@filenet.com
 Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
 Subject: [108577] Re: Question: Scope Pictures with Digital Camera
 Message-ID: <3BC71E4C.2070604@buttery.org>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii; format=flowed
 Content-Transfer-Encoding: 7bit

Phinizy, William wrote:

> Sorry for the bandwidth, but I am having a beastly time getting scope
 > pictures using my digital camera. It's a Fuji -- nothing extraordinary. The
 > flash seems to wash out the trace (Tek 2445 or Tek T935) and pictures done
 > without the flash are too dark and/or jittery to be useful. Certainly
 > nothing like the glamorous shots I have seen on some of the web sites and
 > URLs from guys in the group..
 >
 > ..all sharing of trade secrets gratefully accepted and my sincere gratitude
 > in advance.

In the old days, scope pictures were taken by using a special scope

camera attachment - it interfaced to the scope, so that the shutter was set off at the right moment. It also had a hood to keep out light.

These days, scope pictures are usually made by using a computer-interfaced scope and capturing the window on your PC.

Without either of those high-tech methods at hand, your best bet would be to use a film camera on a tripod, and take the picture in a darkened room without flash. You need a camera with manual shutter control to get enough exposure (and because the automatic control will be useless for reading scope traces - they don't cover a large enough area), and most digital cameras don't have it. (If you DO have a digital camera with manual controls, feel free to try it.)

Date: Fri, 12 Oct 2001 12:49:57 EDT
From: WE7X@aol.com
To: qrp-l@lehigh.edu
Subject: [108578] ?Low power and/or light weight computer for PSK etc?
Message-ID: <156.25c9fc1.28f87935@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Greetings,

What type of low power consumption and/or lightweight computer is anybody using for portable PSK mode operation?

It seems that everyone indicates you need a 100 MHz Pentium processor to run the sound cards needed to decode the audio. Are there any other options for low power portable PSK mode work? A K-2 or FT-817 radio is capable of operating on very low power consumption, but to lug a full blown laptop with a very limited battery life seems to be counter productive.

Have I missed something? Very likely, and that is why I'm asking the question.

I also have another somewhat related question. I have a need for a flat screen monitor for logging while mobile during VHF/UHF rover operations. My mobile station consists of gear for 6M through 3456MHz and space is limited for the operator. My setup has an operating position which precludes using a conventional laptop and screen, but would easily allow for a separate keyboard, and a remote screen which could be mounted up an a bit ahead of the main gear installation (on the dashboard ahead of the operator who is in the

passenger seat).

I have heard that there were some older laptops which had detachable monitors. I believe Compac was one. Does anybody have any suggestions as to what I should look for? I've even considered buying a small flat screen monitor and running it off an inverter, but I can't find anything smaller than a 15" screen. I'd like to find a 9 or 10 inch size which is SVGA compatible. It does not have to be color.

I've seen the SVGA to NTSC video converters, and have considered trying that combination with a small video screen, but have not yet tried to determine if that combination is practical for text display such as used on most logging programs.

ANY ideas, suggestions, comments or calls for a return to sanity are gratefully accepted.

Thanks,

Rod Johnson WE7X (ex KA7YOU)
Issaquah, WA.

Date: Fri, 12 Oct 2001 12:51:52 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: dodgeboy@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108579] Re: Question: Scope Pictures with Digital Camera
Message-ID: <3BC71FA8.3000102@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Dave Benham wrote:

> Didn't Polaroid just go out of business, or seriously curtail their
> production?

Polaroid is in financial trouble, and likely to enter Chapter 11 bankruptcy. (As of yesterday, they had not announced anything, but the financial community expects a move any day now.) They have laid off people, but have not discontinued production of any film. Still, making a long-term commitment to using Polaroid materials may be a bad idea at this point in time.

For anyone interested, I have formatted this CW abbreviations list into a two page three column word document that easily prints on two sides of one page. I'd be happy to send it to anyone who replies directly to me off list.

76! (God Bless America!)

//_/_/_/_/_/_/_/_/_/_/_/_

Subject: FW: CW Abbreviations [long]

With the recent thread about CW abbreviations, I stumbled across this old email originally sent by Chuck to the list:

• • •

Date: Fri, 12 Oct 2001 13:16:39 -0500
From: "Randy Randall" <RANDALLR@Healthall.com>
To: <qrp-1@Lehigh.EDU>, <Bob.Fairbairn@motorola.com>
Subject: [108581] Re: Tell Me I should not buy an FT-817
Message-ID: <sb6ed5a.014@healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

I just got one 4 days ago and the CW filter is a must. That is a \$150.00 = negative. Battery life is short. Good portable whip is expensive (I = bought one of the Waters and Stanton ATX antennas @ 125.00.) SSB filter = would be useful. =20

73
Randy=20

Randy E. Randall
Network Engineer
The Health Alliance of Greater Cincinnati
Phone 513-585-7146
Fax 513-585-7159

Date: Fri, 12 Oct 2001 12:34:02 -0500 (EST)
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: Gary Slagel <gds slagel@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108582] High peak in Indiana - Pictures
Message-ID: <Pine.LNX.4.30.0110121141200.5764-1000000@tigger.dcg.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 12 Oct 2001, Gary Slagel wrote:

> OK... I've milked this 'Top of Colorado' hike for all
> its worth. This is the last you'll see of me :-)!

Not to be outdone by those guys in the West... :)

Here's a few pix of my trip to the Top of Indiana last month.

<http://dcg.org/hoosierhill>

Now YOU compare! I bet Gary didn't have to contend with a single mosquito, they nearly ate me alive!

Dave K9DC
ARS #1109

p.s. Great pictures Gary!

Date: Fri, 12 Oct 2001 13:05:08 -0500
From: Jim Glover <psykey@okcforum.org>
To: qrp-l@Lehigh.EDU
Cc: kr1st@amsat.org
Subject: [108583] Re: High Tech
Message-ID: <200110121805.f9CI58r15636@okcforum.org>

> > they are small 'fixed
> > frequency' radios designed to receive a single broadcast
>
> That would mean that they only would have to jam one frequency to make
> the radios useless.

If the radio isn't used to receive messages our side hopes the other side will listen to, then the radio is useless to us, anyway. Regardless of the receiver used, the enemy need only jam one frequency to render any single-frequency broadcast useless.

However, that's not the easiest thing to do when the broadcast comes from a high power transmitter onboard an aircraft flying formations above, while the jamming signal(s) would probably have to be land based.

73,
Jim WB5UDE

Date: Fri, 12 Oct 2001 12:21:34 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: CQC <cqclist@egroups.com>, qrp-l <qrp-l@lehigh.edu>
Subject: [108584] Russian Call Sign Look Up
Message-ID: <F9645092A142D3118CBD00805F15292E16CF0E1C@eb-mail1.gwl.com>

MIME-Version: 1.0
Content-Type: text/plain

This address was posted on Kenwood reflector - went there looking for something different and found a Russian Call Look up.

<http://krasnodar.online.ru/hamradio/>

de KI00T, Brad

Date: Fri, 12 Oct 2001 12:22:03 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>, Tom <n1tp@worldnet.att.net>,
Subject: [108585] Re: RE-SEND Winter FOX Roster/Sked
Message-ID: <Pine.LNX.4.33.0110121220370.5166-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If at all possible Doc, I would urge you to keep the Canadian stations in the fox lineup...I know there's not a lot of us but I sense a keen interest in the fox hunts on the part of the VEs....thank you....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Fri, 12 Oct 2001 14:33:21 -0400
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [108586] rx if for tx?
Message-ID: <NFB BKLDHALEHCJMAJPKFEE0JCDA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a great crystal filter / IF amp setup that works very well for

receive. It's based around a KVG XF9A filter which was very pricey, even when I bought it years ago. It's a design from Wes Hayward's IF in the 'progressive receiver' from older handbooks.

Is it nuts to try to use that to follow a dsb generator for transmitting as well? I understand I'd have to drop the level of the dsb generator significantly so not to overload the IF amp. Would the use of agc from that IF help or hurt a transmitting circuit?? What other precautions should I consider if it is possible? Seem like it's just amplification ...

I'm not well versed on these things lol ... but I'd like to build an ssb rig that I could use and say "I did that."

Thanks ...
Tracy N4LGH

Date: Fri, 12 Oct 2001 14:30:05 -0400
From: "Roof Joe" <jroof@mindspring.com>
To: <qrp-l@Lehigh.EDU>
Subject: [108587] Re: ?Low power and/or light weight computer for PSK etc?
Message-ID: <000301c1534b\$ea47a120\$f4432042@s0024177560>

Rod,
I use a Toshiba Libretto 100CT for portable PSK work. It's very small about the size of a soft cover book, not made any more, but still available on E-Bay etc. They also run fine on 12 volts. I took the AC adapter and cut the cable in two and put on a male and female phono plug so that I can plug in my 12 volt battery when I'm portable, however the internal battery will run it for 3 hours or so.

I used the Libretto and a PSK-20 on field day with the North Georgia QRP club and the combination worked real well.

72
Joe W4JHR

Date: Fri, 12 Oct 2001 18:31:38 +0000

From: "Leon Heller" <leon_heller@hotmail.com>
To: WE7X@aol.com, qrp-1@Lehigh.EDU
Subject: [108588] Re: ?Low power and/or light weight computer for PSK etc?
Message-ID: <F1110scL9NtDEJmGzrL000051a6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>Greetings,
> What type of low power consumption and/or lightweight computer is
>anybody
>using for portable PSK mode operation?
> It seems that everyone indicates you need a 100 MHz Pentium processor
>to
>run the sound cards needed to decode the audio. Are there any other
>options
>for low power portable PSK mode work

A DSP system is the way to go, with a PDA for the user I/F. Something like the ADI EZKIT would work very well, and doesn't require much power. Cost is about \$120 in the US, I think.

Someone has probably already written the code, but it shouldn't be difficult to do it from scratch. I'll look into it and get back to the list.

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 12 Oct 2001 11:40:52 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: Bob.Fairbairn@motorola.com, qrp-1@Lehigh.EDU
Subject: [108589] Re: Tell Me I should not buy an FT-817
Message-ID: <F254KsEgJX0xJagXTi800004606@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

If you want it right now and can't wait, immediate gratification will come

in the form of an FT817. If on the other hand you enjoy anticipation, savoring the trip along the way, and working with your hands then tackle a K2. Either way, you get a great radio.

Have fun! Welcome back...

73 John K7FD, CEN (Certified Elecraft Nut)
<http://home.teleport.com/~cqdx/qrp.htm>

Bob wonders:

>Hello,
>
>My first qrp radio was an Argo 509 and the second a Norcal 40 that I built.
> I have not done much since then. Ham radio has been less fun over the
>past couple of years and I just don't turn the radio on much. I am
>thinking that getting back into QRP as a way to have fun.
>
>I have been trolling the internet for a couple of weeks now and it really
>does look interesting...
>
>I love experimenting with antennas and the like. Maybe this would bring a
>new found sense of fun to my hobby...
>
>What do you all think.
>
>Bob Fairbairn KE9A

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Fri, 12 Oct 2001 13:49:56 -0500
From: "DONALD G. DORN" <DDORN@CWIS.NET>
To: tracy@bytemark.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [108590] Re: rx if for tx?
Message-ID: <3BC73B54.198504DC@CWIS.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a HB SSB xcvr using the same filter that you have. I used the switching circuit from page 194 of Solid State Design to switch the

filter from rec to xmit. It works very well. The signal from the sideband generator goes directly to the filter though, not through the IF amp.

73,

Don K5AAR

Lake Eufaula, Ok

Date: Fri, 12 Oct 2001 15:11:52 -0400
From: "John Dorson" <jdorson@Worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [108591] FS: DT-140 TQ
Message-ID: <004501c15351\$c4575a40\$9794f4d1@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alinco 2 meter rig. 5-50 watts. Has all features. Reason for selling is I do not have a good operating space in my new car. Asking 140.00 + ship.

If interested please e-mail me directly.

John K2JHU...

jdorson@worldshare.net

Date: Fri, 12 Oct 2001 15:16:50 -0400
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [108592] MH101 - New List for project
Message-ID: <00a101c15352\$71e56fd0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have, at the urge of several of you, created a new Yahoo group for the MH101 Project involving the Manhattan style build of the Small Wonder Labs venerable SWL 30+.

If you are involved in this build, or not but want to be, feel free to join the list by sending your subscription request to:

MH101-subscribe@yahoogroups.com

=====

KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57

=====

Date: Fri, 12 Oct 2001 14:21:05 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: psykey@okcforum.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108593] Re: High Tech
Message-ID: <3BC742A1.4D070F20@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Jim Glover wrote:

> If the radio isn't used to receive messages our side hopes the
> other side will listen to, then the radio is useless to us,
> anyway. Regardless of the receiver used, the enemy need only
> jam one frequency to render any single-frequency broadcast
> useless.

Not too easy to jam when your country doesnt have electricity and any
radio towers or transmitters are immediately turned to dust. Not many of
the mideastern countries are about to do the jamming for the Taliban
except perhaps Irag. Not sure what frequency is used but I would think
it would be one that would be more local in nature.

73 de Dave, N0IT

Date: Fri, 12 Oct 2001 12:21:56 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <Bob.Fairbairn@motorola.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [108594] Re: Tell Me I should not buy an FT-817
Message-ID: <00dc01c15353\$2a013e00\$efe2b3d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob,

I bought an FT-817 a while back to use when I travel and camp. Before then I typically took a small home brew single band CW rig, but found this rather restrictive. When the FT-817 went on sale at HRO I went ahead and got it. I also installed the 500 Hz CW filter and would suggest this option if you are going to do a lot of CW work as the rig is fairly wide on RX without it. As far as the comments about the FT-817 not being CW friendly, I use mine on CW all the time now and love it. What's not friendly??? I set the menu on IPO ATT NAR and use the RIT as needed. I've found it to be a very enjoyable rig to use. I'd suggest borrowing one from a friend or checking one out at an HRO or other Ham store if you have the opportunity. It's a great little multi mode rig! As far as on air performance goes, I worked Russia, Spain, Japan and Norway a couple of weeks ago on 10 meters when I was in Big Bear Lake, CA using a dipole. Not to mention a bunch of contacts with Canadian and US Station. Bottom line is that I'm having a blast with this rig! In fact I'm putting a PSK31 interface together today and am going to try that mode out. I plugged the little rig into my notebook using DigiPan software last night and was really amazed at all of the PSK31 activity. The K2 is also a great rig if you want to build your rig and just want to work HF. I must admit, I felt a little guilty about this being a "Store Bought Rig", but I got over it. Take care...

72/73

Trev
KG6CYN

----- Original Message -----

From: Fairbairn Bob-C12509 <Bob.Fairbairn@motorola.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Friday, October 12, 2001 8:55 AM
Subject: Tell Me I should not buy an FT-817

> Hello,

>

> My first qrp radio was an Argo 509 and the second a Norcal 40 that I built. I have not done much since then. Ham radio has been less fun over the past couple of years and I just don't turn the radio on much. I am thinking that getting back into QRP as a way to have fun.

>

> I have been trolling the internet for a couple of weeks now and it really

does look interesting...

>

> I love experimenting with antennas and the like. Mabye this would bring a new found sense of fun to my hobby...

>

> What do you all think.

>

> Bob Fairbairn KE9A

Date: Fri, 12 Oct 2001 15:21:01 -0400
From: Hugo <hugo@optonline.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108595] Where to find the CUrtis 8044B
Message-ID: <001001c15353\$07c66cc0\$0200a8c0@hugocatt>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi, All !

I have a 20 plus year old FT-902DM and enjoying QRP with two 6146B's glowing in the dark set to 5 watts.

They don't make them like those anymore. Wonderful rig.

Anyway !...It is quite enjoyable although not very efficient :-)

The built-in electronic keyer uses a Curtis 8044A. Those of you who know the difference, will agree with me that "B" is much easier to use with iambic keys.

The Question: Where could I find a 8044B. Not 8044ABM which is not interchangeable with the "A" type.

TIA

Hugo
AA1XV
a.k.a. CX9AAK

Date: Fri, 12 Oct 2001 12:29:12 -0700 (MST)
From: cherry@getnet.net
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108596] Re: ?Low power and/or light weight computer for PSK etc?
Message-ID: <1002914952.3bc744884be05@mail.getnet.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

A low power psk31 is a simple lap-top acting as a dumb terminal and a TNC to decode the psk31. The two TNC's that decode psk31 are the KAM XL and the PTC-IIe. This is an expensive way, but it is low power. The FT-817 does not have low power receive. The other option is to build it yourself.

<http://www.njqrp.org/portablepsk/index.html>

There are other projects like this one.

I do not have the complete list.

Jim W7ANF

Quoting WE7X@aol.com:

> Greetings,
> What type of low power consumption and/or lightweight computer is
> anybody
> using for portable PSK mode operation?
> It seems that everyone indicates you need a 100 MHz Pentium processor
> to
> run the sound cards needed to decode the audio. Are there any other
> options
> for low power portable PSK mode work? A K-2 or FT-817 radio is capable
> of
> operating on very low power consumption, but to lug a full blown laptop
> with
> a very limited battery life seems to be counter productive.
> Have I missed something? Very likely, and that is why I'm asking the
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> question.
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> I also have another somewhat related question. I have a need for a
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> screen monitor for logging while mobile during VHF/UHF rover operations.
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> mobile station consists of gear for 6M through 3456MHz and space is
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> for the operator. My setup has an operating position which precludes
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> keyboard, and a remote screen which could be mounted up an a bit ahead
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> main gear installation (on the dashboard ahead of the operator who is in
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> passenger seat).

> I have heard that there were some older laptops which had detachable
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> monitors. I believe Compac was one. Does anybody have any suggestions
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> monitor and running it off an inverter, but I can't find anything
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> compatible. It does not have to be color.
> I've seen the SVGA to NTSC video converters, and have considered
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> that combination with a small video screen, but have not yet tried to
> determine if that combination is practical for text display such as used
> on
> most logging programs.
> ANY ideas, suggestions, comments or calls for a return to sanity are
>
> gratefully accepted.
> Thanks,
> Rod Johnson WE7X (ex KA7YOU)
> Issaquah, WA.
>
>
>
>

Date: Fri, 12 Oct 2001 14:31:13 -0500 (CDT)
From: Jim Glover <psykey@okcforum.org>
To: sjolin@swbell.net (Dave Sjolín)
Cc: psykey@okcforum.org,
qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [108597] Re: High Tech
Message-ID: <200110121931.f9CJVDD16625@okcforum.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Not too easy to jam when your country doesn't have electricity and any
> radio towers or transmitters are immediately turned to dust. Not many of
> the mideastern countries are about to do the jamming for the Taliban
> except perhaps Iraq. Not sure what frequency is used but I would think
> it would be one that would be more local in nature.

Well...these are issues I had in mind when I wrote my second paragraph

(the one you didn't quote). The US forces rule the air, which not only gives them a superior broadcast platform, but also makes it easier to counter whatever land-based jamming the enemy might try to do. The mere fact that the broadcast airplane has a clear advantage where line-of-sight is concerned makes jamming difficult, and yes, the further away one presumes the jamming might occur from, the harder still the task would be.

73,
Jim WB5UDE

Date: Fri, 12 Oct 2001 14:37:30 -0500
From: "George, W5YR" <w5yr@att.net>
To: hugo@optonline.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108598] Re: Where to find the CUrtis 8044B
Message-ID: <3BC7467A.6F5C7F1B@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Check with MFJ.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Hugo wrote:

>
> Hi, All !
>
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> in the dark set to 5 watts.
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> Anyway !...It is quite enjoyable although not very efficient :-)
> The built-in electronic keyer uses a Curtis 8044A. Those of you who know the
> difference, will agree with me that "B" is much easier to use with iambic
> keys.
> The Question: Where could I find a 8044B. Not 8044ABM which is not
> interchangeable with the "A" type.

Date: Fri, 12 Oct 2001 13:40:38 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>

To: Fairbairn Bob-C12509 <Bob.Fairbairn@motorola.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108599] Re: Tell Me I should not buy an FT-817
Message-ID: <Pine.LNX.4.33.0110121330410.2775-100000@cannac.fun>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bob, The Yaseu FT-817 is the most versital radio ever built and with the mechanical 500 Hz CW filter it's a super CW rig. It works fine on SSB, Covers all the HF bands along with 6 meters, the stand FM broadcast band, 2 meters FM, ssb and CW and 420-450 MHz FM, ssb and CW.

Yaseu through Oct 31 has dropped the cost of the FT-817 to \$625 and you can get it from gigiparts.com in Huntsville, AL. This is a lot cheaper than the K2 and you don't need to build it. I'm not a K2 detractor but it's cost is really high for what you get.

The FT-817 uses surface mount components so it's a lot more rugged than the K2 with solder through construction. I plan to carry my FT-817 daily on my back when I take my 3 mile walk with Bucket (a good dog).

Get a small gel-cell battery and one of the many small HF antenna and enjoy camping with ham radio.

On Fri, 12 Oct 2001, Fairbairn Bob-C12509 wrote:

> Hello,
>
> My first qrp radio was an Argo 509 and the second a Norcal 40 that I built. I have not done much since then. Ham radio has been less fun over the past couple of years and I just don't turn the radio on much. I am thinking that getting back into QRP as a way to have fun.
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.qsl.net/k5di/>

Date: Fri, 12 Oct 2001 14:43:06 -0500
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: gdslagel@yahoo.com,

Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [108600] Re: High peak in Colorado - Pictures
Message-ID: <001601c15356\$1e44c200\$41703ed8@pavilion>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Hi Gary,

Thanks for showing us the fine photos! I look forward to reading about your adventures. I dream of being able to do what you seem to do on a regular bases. I had hiked in the mountains of Colorado and New Mexico as a kid on family vacation trips and have always wished I could operate QRP from those beautiful places. My family and I made it to Colorado in 1997 but we weren't equipped for hiking. The van was totally loaded with kid stuff, my 3 boys were quite young at the time, so it was pretty much a car trip. I did get away at about midnight while camping at Mesa Verde and was able to set up my VLF on the roof of my van while far from any source of 60Hz power. It was quite an experience.

Here in Fort Worth it gets so blasted hot in the summer I often wish I had a mountain to find some refuge on. Unfortunately, it is at least a 2 day drive to anywhere cool! I really hope to take my 3 boys up some mountain and operate QRP before this lowlander gets too bad out of shape to do so :-)

Actually, I'm probably already too much out of shape.

Again, thanks for the report and keep them coming.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

Date: Fri, 12 Oct 2001 16:09:40 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <cherry@getnet.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [108601] Re: ?Low power and/or light weight computer for PSK etc?
Message-ID: <00a901c15359\$d366a9c0\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If your using a laptop why use it as a dumb terminal? Put the PSK program in the laptop and run the simple interface! A dumb terminal only prints or sends the ascii characters. A laptop is much more than that unless your using an old OSBORNE or pre486 laptop! Even a pentium 233MHZ laptop can be bought for \$200-\$300.

Frankly with all those geat programs out there don't know why anyone would want to buy a TNC unless there are some modes not yet simulated in a computer program.

Cheers,
Robert
VE3RPF

----- Original Message -----

From: <cherry@getnet.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, October 12, 2001 3:29 PM
Subject: Re: ?Low power and/or light weight computer for PSK etc?

> A low power psk31 is a simple lap-top acting as a dumb
> terminal and a TNC to decode the psk31. The two TNC's that
> decode psk31 are the KAM XL and the PTC-IIe. This is an
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> <http://www.njqrp.org/portablepsk/index.html>
> There are other projects like this one.
> I do not have the complete list.
> Jim W7ANF
>
> Quoting WE7X@aol.com:
>
> > Greetings,
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> > gratefully accepted.
> > Thanks,
> > Rod Johnson WE7X (ex KA7YOU)
> > Issaquah, WA.
> >

> >
> >
> >

Date: Fri, 12 Oct 2001 16:23:01 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [108602] Wherabouts of J. Martin Systems?
Message-ID: <200110121623_MC3-E30B-7E3E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Been looking for J. Martin Systems, the company who makes, or at least used
to make, a shack grounding system. They were advertising up until at least
November 2000, when an ad appeared on page 146 of QST("Is Your Shack
Grounded?"). What I am looking for is a system such as they outlined in
their advert. Or, can someone suggest another source commercially? Thanks
in advance.

73,
--Doc/K0EVZ

Date: Fri, 12 Oct 2001 16:41:15 -0400
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108603] IARU Administrative Council Calls for End to Morse Requirement
Message-ID: <3BC7556B.164EC001@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>From ARRL Headquarters

Newington CT October 12, 2001
To all radio amateurs

SB QST ARL ARLB044
ARLB044 IARU Administrative Council Calls for End to Morse
Requirement

Saying that it was ''setting aside any previous relevant
decisions,''
the International Amateur Radio Union Administrative Council
this
week resolved that IARU policy supports ''the removal of Morse
code
testing as an ITU requirement for an amateur license to
operate on
frequencies below 30 MHz.'' The Council further resolved to
urge
member societies--as an interim measure--to seek Morse code
testing
speeds ''not exceeding five words per minute.''

The resolution was adopted during the IARU Administrative
Council
meeting October 6-8 in Guatemala City, Guatemala, which
followed the
14th General Assembly of IARU Region 2.

The Council's Morse resolution took into consideration the
approval--without opposition--of ITU-R Recommendation M.1544.
That
document sets out the minimum qualifications of radio
amateurs. The
Council also said it recognizes that Morse code ''continues to
be an
effective and efficient mode of communication used by many
thousands
of radio amateurs'' but that Morse code proficiency as
requirement
for an HF amateur license ''is no longer relevant to the
healthy
future of Amateur Radio.''

The principal business at the Administrative Council session
was to
review the status of IARU preparations for WRC-2003. Agenda
items of
concern to amateurs include, among others, the harmonization
of

amateur and broadcasting allocations near 7 MHz, the adequacy of HF broadcasting allocations below 10 MHz, and possible revisions to Article S25 of the international Radio Regulations.

Among other things, Article S25 spells out Amateur Radio operator qualifications. It now provides that Amateur Radio license applicants demonstrate the ability ''to send correctly by hand and to receive correctly by ear, texts in Morse code signals'' for operation below 30 MHz. The IARU Administrative Council supports the revision of Article S25 and the incorporation by reference of Recommendation M.1544.

The IARU Council selected the theme of the next World Amateur Radio Day, April 18, 2002, as ''Amateur Radio: Continuing Innovation in Communication Technology.'' NNNN /EX

Date: Fri, 12 Oct 2001 14:05:43 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: k5di@zianet.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [108604] Re: Tell Me I should not buy an FT-817
Message-ID: <20011012210543.69337.qmail@web14208.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Oh boy, we HAMS are a funny lot. It was just a short time ago that the K2 was the "IN" radio to own. If you didn't have one, well, you were just out of luck. It seems that now the 817 is the new "IN" rig to have. Well, I am glad that I am not "IN" and have no plans to become so. I have a fond spot for my two Ten-Tec's and I am waiting to see the final specs for the new one. QRP Scout(Argo 556) used for phone and some cw, Triton 540 used for cw.

What rig you use is a personal choice and the choice should be made based on what you want to do with it. Sit on the desk in the shack, work just cw or just phone. Be used in a portable role with batteries for power. All these and more go into this. Running out and getting the latest just because it is the latest is not the smart thing to do.

Those who collect radios with them just sitting on a shelf, are in a whole different game. Guys, he who ends up with the most is still dead. Use the money for a good cause.

Ok, my 2 cents, back to the hole. Winter is coming, time for the long nap.

73, Bill KC4ATU

Do You Yahoo!?

Make a great connection at Yahoo! Personals.

<http://personals.yahoo.com>

Date: Fri, 12 Oct 2001 17:07:59 -0400
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108605] Re: High peak in Indiana - Pictures
Message-ID: <002901c15361\$f93f68a0\$08396fcc@jstamper>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Really enjoyed your pictures, Dave!

----- Original Message -----

From: "Dave Gingrich K9DC" <gingrich2@dcg.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, October 12, 2001 1:34 PM
Subject: High peak in Indiana - Pictures

> On Fri, 12 Oct 2001, Gary Slagel wrote:

>

> > OK... I've milked this 'Top of Colorado' hike for all

> > its worth. This is the last you'll see of me :-)!
>
> Not to be outdone by those guys in the West... :)
>
> Here's a few pix of my trip to the Top of Indiana last month.
>
> <http://dcb.org/hoosierhill>
>
> Now YOU compare! I bet Gary didn't have to contend with a single mosquito,
> they nearly ate me alive!
>
> Dave K9DC
> ARS #1109
>
> p.s. Great pictures Gary!
>
>

Date: Fri, 12 Oct 2001 17:22:29 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: mark@buttery.org
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [108606] Re: Question: Scope Pictures with Digital Camera
Message-ID: <3BC75F15.9D94560B@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mark,

>
> In the old days, scope pictures were taken by using a special scope
> camera attachment - it interfaced to the scope, so that the shutter was
> set off at the right moment. It also had a hood to keep out light.
>
Scope traces are repetitive, for the most part. Starting the shutter at
any point and keeping it open until a full trace has been completed will
get the picture in most cases. Before you say I am wrong, I know there
are triggered traces and one of a kind traces but that is really not the
issue here.
>
> These days, scope pictures are usually made by using a
> computer-interfaced scope and capturing the window on your PC.
>
I would doubt this is used much at high frequencies! Maybe at audio and

low frequencies, but 100 MHz and above?

Manual digital cameras are getting to be more common these days. Also cameras with 3.3 mega pixel resolution too! I do agree if the camera is the typical automatic he is up the river without a paddle, but if he has any manual capabilities he should try it!

83

Date: Fri, 12 Oct 2001 17:30:42 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <bkassel@dancris.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [108607] Re: Antenna Stacking Question
Message-ID: <1010912173042.RAA11730@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 9/25/01 11:50 AM, Brian Kassel at bkassel@dancris.com wrote:

> I have a 3 element triband trapped beam up about 35 feet. I would
>like to place a 2 element triband trapped beam on the same pole, but
>mounted at about 90 degrees off of, or at right angle to, the existing 3
>element beam.

Do you intend to feed it separately, or in combination as a stack?

> My question is, what would be the minimum spacing required between the
>antennas so as to provide the minimum interaction between the 2.

6-15 feet, as a starting point. 6 feet you'll get some interaction. At 15 feet, you'll get less. Because of the 90 degree difference, you'll do a bit better to eliminate interaction.

> The reason that I want to do this, by the way, is to allow instant
>switching between the 2 antennas for stations that I want to work off of
>the side of the 3 element beam during contest work.

I think your biggest problem is that a tribander at 35 feet is just barely effective, since proximity to the ground really distorts the pattern. At 25 feet or less, it's worse. I don't know if you'll see any sort of directivity with the low tribander, or even enough to make a difference in working another station.

The other problem is the support itself. A rotating pole may not be able to support the wind load of both antennas. Does it have enough operating

margin to support a second tribander?

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Fri, 12 Oct 2001 17:38:15 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <myetsko@insydesw.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [108608] Re: A different low power....and a light-beam communicator
Message-ID: <000301c15366\$354ea280\$03613018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

To Mike and others interested in light-based communications,

There are a few texts available that explain how to communicate over certain light-based devices. These include lamps, LEDs (visible and infra-red), lasers and fiber optics. Of course, the types that would prove interesting to use are likely LEDs and laser devices.

Not sure if these are still available, but they are worth a look. Radio Shack's Engineer's Mini-Notebook, Communications Projects (62-5015) by Forrest M. Mims III. Also, Radio Shack's Engineer's Mini-Notebook , Optoelectronics Circuits (62-5012) also by Mimms. These treat how to modulate certain light devices using AM, PFM and even voice-modulated aluminum foil! They also describe how to build receivers for the same.

Ramsey Electronics has a kit available that enables the builder to send voice over an infra-red path, using LEDs and phototransistors. Its range is limited as is, (I built one) but can be improved by way of optics (haven't done that yet). Its fidelity, however, is very excellent! I could hear the sound of my own breathing in a quiet room with this (uses a sensitive electret microphone).

To modulate a laser would not be much different from modulating an LED, so long as you don't exceed the current rating of the device. Detecting a laser if something I'm not up to speed on, maybe someone can chime in on this. I'm going to guess it would not be much different from the systems used to demodulate light or infra-red energy.

An excellent treatise on light-beam communications appears in Radio Electronics, Mar and July 1989, and in the Electronics Experimenters Handbook, 1991. The device described in those pages used a visible-light LED as the medium, but infra-red LEDs could be substituted. The circuit might be able to be adapted to laser use also. The author, Roger Sonntag of Rochester, NY (operating as General Science and Engineering) offered a kit of parts to build a complete "transceiver" using optics in the transmitter and receiver to extend the range to 1/4 to 1/2 mile. I saw this system at a local hamfest about 1990 or thereabouts, but did not have the discretionary funds to purchase one at the time. Wish I would have, I'm still KMITA!

Having spoken to Roger a couple of years ago, he indicated that he had a warehouse of the parts that made up this kit, but did not have the inclination to provide kits again. At the time of the article, they seemed to be popular with schools and some electronic enthusiasts. The Discovery Channel covered this same type of device on a piece about "spy communications."

Orders seemed to wane after the article appeared. He did say that if enough people were interested (like maybe 10 or more) it might be worthwhile to provide kits again. At the time, kits were offered for \$98.00. This covered the transmitter and receiver. A headset or telephone handset were available as options, as was a more powerful LED. In complexity, I might put this somewhere between building a 2N2/40 and a K2. This might seem a bit steep for a device that could communicate with another like it (for another \$98.00!), but to some it may seem attractive. Always one who enjoys cool toys, I would count myself as one who would not mind paying for (2) complete transceiving systems.

There are few, if any, devices of this type available these days. Perhaps they represent a fringe area of the communications hobby, perhaps they were a bit ahead of their time. It could be that they were a bit out of the price range of the average hobbyist.

I'm not sure if Roger is still active, or still has the parts needed to provide these kits again. What I wonder is what type of interest would there be from followers of this list in such a communications device? To wit, who would be willing to pay the equivalent of perhaps a K1 to talk over a beam of light a short distance away? It would be interesting to see if Roger would be willing to put some kits together assuming he still has the parts. It would be interesting to talk to someone who might know Roger personally and see what his thoughts are on this (hello, Rochester!).

Any thoughts? Who has information on light-wave (or laser) communications? It is definitely low-power!

Howard Kraus, K2UD

Date: Fri, 12 Oct 2001 17:57:35 -0400
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [108609] RE: Winter FOX Roster/Sked
Message-ID: <000001c15368\$e6e731e0\$0300a8c0@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm confuse'd. Ok, that's nothing new. :-D

Am I correct in that we are only having hunts on Thurs., there will be two
running each hunt, and the schedules for 16-20 seem out of order.
HELP!

72, oo
Dan, N8IE

-----Original Message-----
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
Garie Halstead
Sent: Friday, October 12, 2001 12:38 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Winter FOX Roster/Sked

Hey guys...

To those of you who ran into a text formatting problem as I did, pse
feel free to use the following...

WK	Date1/Date2	FOX1	Name	SPC	FOX2	Name	SPC
--	-----	----	----	---	----	----	---
1/11	10/25&1/3/02	N2WW	Larry	CO	N2CQR	Dan	OR
2/12	11/01&1/10	W0UFO	Mert	MN	K7GT	Allan	CA
3/13	11/08&1/17	N0TU	Steve	CO	N8VAR	Ron	OH

4/14	11/15&1/24	N0RC	Rod	CO	N0UR	Jim	MN
5/15	11/22&1/31	W0MC	Jerry	CO	W0PWE	Jerry	IA
6/16	11/29&2/7	W8RU	Ron	MI	N4DD	Dennis	TN
7/17	12/06&2/1	W8KC	Paul	MI	N6WG	Bob	CA
8/18	12/13&2/1	VE3FAL	Fred	ON	N1Q0	John	VT
9/19	12/20&2/2	VE6EX	Dan	AB	K4FB	Paul	FL
10/20	12/25&3/7	KV2X	Tom	NY	K0PC	Pat	MN

Date: Fri, 12 Oct 2001 18:04:02 -0400
 From: "NZ8J" <timcook@erinet.com>
 To: <qrp-l@Lehigh.EDU>
 Subject: [108610] misc items for sale
 Message-ID: <007e01c15369\$cdddf00a0\$6122fea9@nec>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Still have a couple of items left for sale

MFJ 401C Econo Keyer II (battery operated) - \$27

Kenwood YK-455C-1 500hz cw filter fits TS-140 and others - \$55

MFJ SBF-2 SSB filter (70's era) 1.5, 2.0, 2.5, and hi-pass positions battery operated - \$19

MFJ 941E Antenna Tuner - excellent condition - \$80

All prices include shipping in the cont. US

Thanks
 Tim
 NZ8J

Date: Fri, 12 Oct 2001 17:10:16 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [108611] Re: High peak in Indiana - Pictures
Message-ID: <0dda01c1536a\$acba16c0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

WOW!!! Those photos are AWESOME!!! That view is incredible! Did you have to stop half-way up so you could adjust to the altitude? I don't know how you guys do it. I love that photo of the "Valley of Corn" taken from the peak. You can actually see the corn in the distance... and then the corn beyond that. I'd even guess beyond that... there is PROBABLY more corn. Next time you're up there... maybe you could climb a tree and confirm that.

Anyway... GREAT photos from the TOP of Indiana. It sounds like you had quite an adventure.

72 / 73 de Brice KA8MAV
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360,
KLQRP, FPQRP -156, ARS, ARRL
<http://www.QRPP-I.com>

----- Original Message -----

From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, October 12, 2001 12:34 PM
Subject: High peak in Indiana - Pictures

> On Fri, 12 Oct 2001, Gary Slagel wrote:
>
> > OK... I've milked this 'Top of Colorado' hike for all
> > its worth. This is the last you'll see of me :-)!
>
> Not to be outdone by those guys in the West... :)
>
> Here's a few pix of my trip to the Top of Indiana last month.
>
> <http://dcg.org/hoosierhill>
>

> Now YOU compare! I bet Gary didn't have to contend with a single mosquito,
> they nearly ate me alive!
>
> Dave K9DC
> ARS #1109
>
> p.s. Great pictures Gary!
>
>

Date: Fri, 12 Oct 2001 18:28:03 -0400
From: "NZ8J" <timcook@erinet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [108612] WTB: Icom IC-765 Service Manual
Message-ID: <009801c1536d\$2896d9c0\$6122fea9@nec>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Please send details
Thanks
Tim
NZ8J

End of QRP-L Digest 2340

